



SUNGARD HIGHER EDUCATION

BANNER ENTERPRISE DATA WAREHOUSE STARS REFERENCE

Release 8.4
October 2011

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Documentation Feedback

<http://education.sungardhe.com/survey/documentation.html>

Distribution Services E-mail Address

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Revision History Log

Publication Date	Summary
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October 2011	New version that supports Banner Enterprise Data Warehouse 8.4 software.
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1 Star Schema Data Models

The Banner Enterprise Data Warehouse (Banner EDW) includes several star schemas each with a specific purpose. Star schema data models are a standard dimensional data modeling technique used to design data warehouse reporting structures. Each star schema contains a fact table and its associated dimension tables, which are typically referenced by foreign keys. They are referred to as “star schemas” because of their starlike appearance when viewing their entity-relationship diagrams (ERDs).

The Performance products (Banner Recruiting and Admissions Performance, Banner Student Retention Performance, and Advancement Analytics for Cognos) that you can license separately from but use in conjunction with the Banner EDW also rely on star schemas to design the data warehouse reporting structures.

About this guide

The *Banner EDW Stars Reference* guide supplements information in the *Banner EDW Handbook*. The *Stars Reference* guide includes summary information about each of the stars in the warehouse with hypertext links to each of the star diagrams. The guide is delivered as zip file that is compilation of the following PDF files:

- *Banner Enterprise Data Warehouse Stars Reference 8.4* guide

This guide which includes summary information about each of the stars in the warehouse with hypertext links to each of the star diagrams.

- Star diagram PDF files

A PDF version of each star diagram that you can open separately or from the links within the *Stars Reference* guide.

Using the set of Stars Reference files

Use the following instructions to properly set up the *Stars Reference* and all of the related star diagram PDF files so that you can access the diagrams by clicking links within the *Stars Reference* guide.

1. Open the *Banner EDW Stars Reference* (edw#####sr.zip) file.
2. Unzip all of the files included in the “EDW Stars Reference” folder to a single directory.
3. Open the edw#####sr.pdf file.

This is the *Stars Reference* guide (this guide), which includes a summary of all the stars.

4. Click on a star diagram link from within the *Stars Reference* guide to view that star.

Alternately, you can open any star diagram PDF file directly from the directory where you unzipped the files.

Navigating between Stars Reference guide and star diagrams

Typically, when you click a star diagram link from within the *Stars Reference* guide it will open in the same window in which you are viewing the *Stars Reference* guide. You have two options for how to view and navigate when opening the star diagram links.

Option 1 - Open star diagrams in the same window.

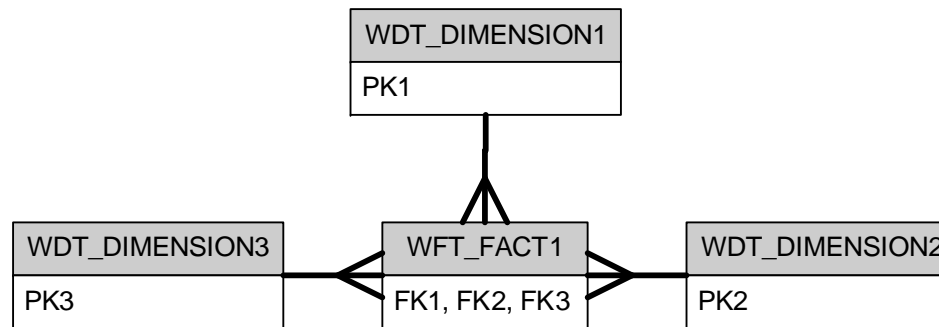
- After opening one of the star diagram linked files, use the Alt+Left Arrow keys to go back to the original *Stars Reference* document.

Option 2 - Open star diagrams in a separate window by setting this preference in Acrobat.

1. In Acrobat select **Edit>Preferences**.
2. Under Documents, Open Settings uncheck the “Open cross-document links in same window” box.
3. Click **OK**.

Banner Enterprise Data Warehouse star schema overview

Star schemas are a standard dimensional data modeling technique used to design data warehouse reporting structures. Each star schema contains a centralized fact table and its associated dimension tables, which are typically referenced through foreign keys. The fact table stores measures while the dimension tables store attributes that users can use to sort, filter, and group the measures. These structures are referred to as “star schemas” because of their star-like appearance when viewing their entity relationship diagrams (ERDs). The following picture illustrates a simple fact and dimension table relationship including foreign key relationships.



The Banner Enterprise Data Warehouse (Banner EDW) product provides the following types of star schema data models:

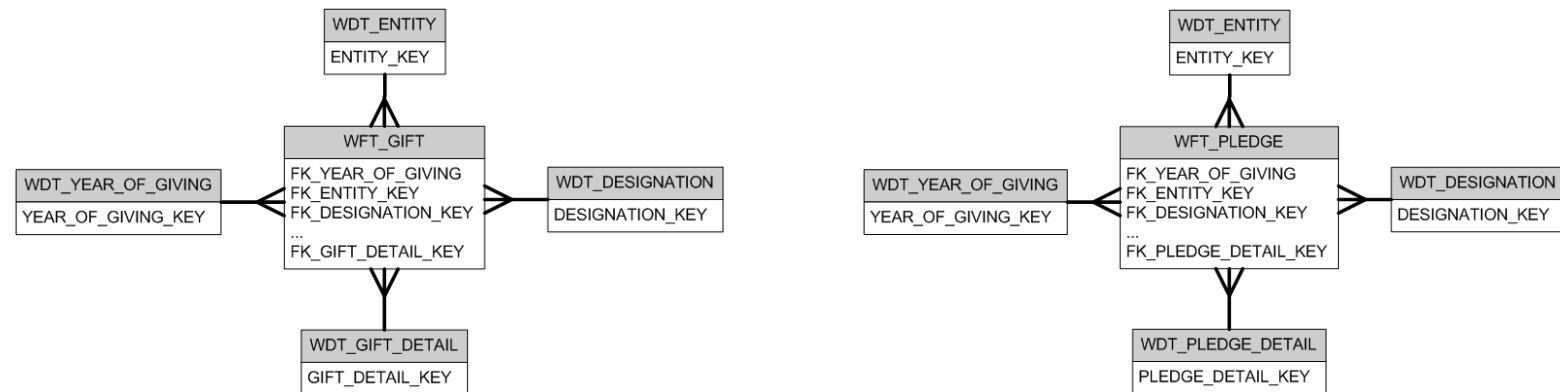
- [“Operational stars”](#)
- [“Aggregate stars”](#)
- [“Snapshot stars”](#)

Operational stars

Operational Star schemas support analysis of a particular subject (for example, gifts, pledges, and so on) by multiple dimensions such as year of giving, designation, and so on. Many of these dimensions are used (or conformed) across multiple operational stars. The operational stars are intended to be refreshed on a daily basis.

Currently these operational stars are provided for recruiting and admissions, financial aid for new enrollments, student, and advancement subject areas. The fact tables for operational stars use the WFT prefix.

The following figure illustrates two operational star examples for advancement, gift, and pledge. Some of the dimensions are shown for each fact, including multiple shared dimensions.

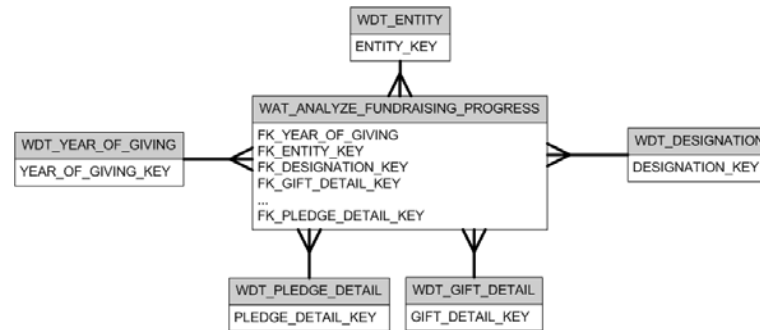


Several operational stars provide the option to create a snapshot star. The snapshot star provides the same data as the operational star, however, the data is saved for a specific point in time by adding the event dimension to the operational data. Refer to list of stars in the [“Operational stars — At a glance”](#) section to determine which operational stars can be frozen.

Aggregate stars

Aggregate star schemas consolidate information from multiple operational stars to support faster performance analysis of a business concept such as Manage Prospect Pipeline or Analyze Fundraising Progress. The aggregate stars are intended to be refreshed on a daily basis. The Cognos packages for each business concept primarily use these aggregate stars as a data source to optimize performance. The fact tables for aggregate stars use the WAT prefix. Currently these aggregate stars are provided for recruiting and admissions, financial aid for new enrollments, student, and advancement subject areas.

The following figure illustrates an example of the Analyze Fundraising Progress aggregate star for Advancement. This aggregate star consolidates data from multiple operational stars (including gifts and pledges) into the WAT_ANALYZE_FUNDRAISING_PROGRESS fact table with foreign key relationships to several dimension tables.



Snapshot stars

Snapshot Star schemas capture data at institution-specified points in time for a business concept. Most of the aggregate business concepts provide the option to create a snapshot star. The snapshot star provides the same data as an aggregate star, however the data is saved for a specific point in time by adding the event dimension to the data. This event dimension time period could represent, for example, end of month processing for financial data, start or end of academic period for enrollment data, and so on. This allows your institution to historically build data that you can compare over time for longitudinal reporting flexibility. You can use the common event attribute to compare disparate time periods to one another.

There are two variations of snapshot star schemas in the Banner EDW. The first supports a single business need with a set of data combined into a single snapshot star schema sourced directly from the Banner Operational Data Store. For these, the snapshot includes a fact and dimension tables with all of the data to be used as dimension attributes with their associated specified measures. Cognos packages and cubes are delivered with the Banner EDW that use these snapshot stars as a data source.

For most of the business concepts supported by the operational and aggregate stars, a different snapshot process is used. For these, a set of operational and aggregate star schemas is saved at the same point in time with the same event dimension or attributes. Snapshot Cognos packages and cubes are delivered with the Banner EDW which contain the same attributes as the business concept packages and cubes along with an event dimension.

Warehouse tables

The warehouse includes the fact and dimension tables that are used to build the star schema data models.

Fact tables

The fact table is the primary table in a star schema that stores the numerical or event based performance measurements of the institution. Fact tables store dates, amounts or counts of information. Fact table names begin with `WFT_`. Total Credits, stored in the `WFT_ENROLLMENT` fact table, and Prospect Target Amount, stored in the `WFT_PROSPECT` fact table, are examples of measures.

Dimension tables

Dimension tables contain the descriptive attributes that define how you want to slice or look at the measures in a fact table. Dimension table names begin with `WDT_`. Gender and Citizenship_Ind are examples of dimension attributes on the `WDT_DEMOGRAPHIC` dimension table.

View fact and dimension tables

Meta Data is provided for the fact and dimension tables associated with each star. You can use either the published Meta Data reports or the Administrative User Interface (UI) related Meta Data pages to view meta data. To view fact and dimension table information displayed on Banner EDW Meta Data Reports, perform the following steps.

1. Log into the Administrative User Interface.
2. Select the **Meta Data** menu.
3. Select **Banner Enterprise Data Warehouse**.
4. Select the star you want to review. The Star Report for that star opens.
5. Select the target dimension or fact table you want to review. The selected report displays.



Note

Refer to the Administrative User Interface chapter of the Banner EDW Handbook to learn more about the meta data.



2 Operational Stars


The Banner EDW includes several operational stars. Many of the stars are delivered as part of baseline Banner EDW. Some of the stars were developed to leverage your reporting capabilities when using the BPRA Performance or Cognos analytics products: Banner Recruiting and Admissions Performance, Banner Student Retention Performance, and Advancement Analytics for Cognos. You can use the stars with Banner EDW alone or in conjunction with the related BPRA Performance or Cognos analytics product.

Operational stars — At a glance








The following table lists the operational stars associated with student and financial aid that are included in the Banner EDW. The table identifies key information about each star. The **Baseline EDW**, **RAP**, and **SRP** columns identify the applications in which each star is included.







- **Baseline EDW** = included with baseline Banner Enterprise Data Warehouse
- **RAP** = included with Banner Recruiting and Admissions Performance product
- **SRP** = included with Banner Student Retention Performance product







Freeze Functionality - Identifies stars for which you can create a snapshot version. For the stars that include freeze functionality, the Event is added to the Fact Table granularity.








Star ERD - Click the star icon  associated with a star to open that star's entity relationship diagram (ERD).








Use the following table as a reference and refer to later sections of this book for more details about each operational and snapshot star.







Star Name	Star ERD	Base-line EDW	RAP	SRP	Operational Fact Table	Freeze Functionality	Fact Table Granularity	Related Banner Table/Rows
“Academic Outcome”		X		X	WFT_ACADEMIC_OUTCOME		Person UID, Outcome Number	SHRDGMR
“Academic Outcome Honor”		X		X	WFT_ACADEMIC_OUTCOME_HONOR		Person UID, Outcome Number, Academic Outcome Honor	SHRDGDH or SHRDGIH
“Administrator”		X	X		WFT_ADMINISTRATOR		Academic Period, Administrator UID, Administrator Role, Person UID, Record Type, Record Number	SORAINF
“Admissions Application”		X	X		WFT_ADMISSIONS_APPLICATION	Yes	Person UID, Academic Period, Application Number	SARADAP
“Admissions Recruitment”		X	X		WFT_ADMISSIONS_RECRUITMENT		Person UID, Academic Period, Recruit Number	SRBRECR
“Advisor”		X		X	WFT_ADVISOR		Academic Period, Advisor UID, Advisor Type, Person UID	SGRADVR
“Application Attribute”		X	X		WFT_APPLICATION_ATTRIBUTE	Yes	Person UID, Academic Period, Application Number, Attribute	SARAATT







Star Name	Star ERD	Base-line EDW	RAP	SRP	Operational Fact Table	Freeze Functionality	Fact Table Granularity	Related Banner Table/Rows
“Application Cohort”		X	X		WFT_APPLICATION_COHORT	Yes	Person UID, Academic Period, Application Number, Cohort	SARCHRT
“Application Decision”		X	X		WFT_APPLICATION_DECISION	Yes	Person UID, Academic Period, Application Number, Decision, Decision Date	SARAPPD
“Application Rating”		X	X		WFT_APPLICATION_RATING		Person UID, Academic Period, Application Number, Administrator, Administrator Role, Application Rating	SARRRAT
“Application Requirement”		X	X		WFT_APPLICATION_REQUIREMENT		Person UID, Academic Period, Application Number, Application Requirement	SARCHKL
“Athletic”		X		X	WFT_ATHLETIC		Person UID, Academic Period, Student Activity	SGRSPRT/ SGRATHC
“Banner Communication”		X	X	X	WFT_BANNER_COMMUNICATION		Person UID, Communication, Communication Initiate Date	GURMAIL



Star Name	Star ERD	Base-line EDW	RAP	SRP	Operational Fact Table	Freeze Functionality	Fact Table Granularity	Related Banner Table/Rows
“Combined Admissions Record”			X		WFT_COMBINED_A DMISSIONS_RECO RD	Yes	Academic Period, Person UID, Record Type, Record Number	SARADAP/ SRBRECR
“Combined Attribute”			X		WFT_COMBINED_A TTRIBUTE	Yes	Academic Period, Person UID, Record Type, Record Number, Attribute	SARAATT/ SRRRATT
“Combined Cohort”			X		WFT_COMBINED_C OHORT	Yes	Academic Period, Person UID, Record Type, Record Number, Cohort	SARCHRT/ SRRCHRT
“Communication”			X	X	WFT_COMMUNICAT ION	Yes	Person UID, Communication Item, Communication Template, Communication, EM Campaign	REL_COMMUNI CATION_ITEM
“Contact”		X	X	X	WFT_CONTACT	Yes	Person UID, Contact, Contact Date	SORCONT
“Course Section”		X		X	WFT_COURSE_SEC TION		Academic Period, Sub Academic Period, Course, Course Section, Course Reference Number	SSBSECT

Star Name	Star ERD	Base-line EDW	RAP	SRP	Operational Fact Table	Freeze Functionality	Fact Table Granularity	Related Banner Table/Rows
“EM Campaign”			X	X	WFT_EM_CAMPAIGN	Yes	Person UID, Person EM Campaign, EM Campaign, Person EM Campaign Status	REL_CAMPAIGN
“Financial Aid Application”		X	X	X	WFT_FINAID_APPLICATION	Yes	Person UID, Aid Year	RORSTAT/ RCRAPPX
“Financial Aid Award By Academic Period”		X	X	X	WFT_FINAID_AWARD_ACADEMIC_PERIOD	Yes	Person UID, Aid Year, Academic Period, Financial Aid Fund	RPRATRM
“Financial Aid Award By Aid Year”		X	X	X	WFT_FINAID_AWARD_AID_YEAR	Yes	Person UID, Aid Year, Financial Aid Fund	RPRAWRD
“Funnel History”			X		WFT_FUNNEL_HISTORY	Yes	Person UID, Academic Period, Funnel Student Level, Funnel, Person Funnel Status	REL_LIFECYCLE_STATE
“Grade Change”		X		X	WFT_GRADE_CHANGE		Person UID, Academic Period, Course Reference Number, Grade Sequence Number	SHRTCKN/ SHRTCK
“Hold”		X	X	X	WFT_HOLD		Person UID, Hold, Hold From Date, Hold To Date	SPRHOLD/ STVHLDD

Star Name	Star ERD	Base-line EDW	RAP	SRP	Operational Fact Table	Freeze Functionality	Fact Table Granularity	Related Banner Table/Rows
“Institution”		X	X	X	WFT_INSTITUTION		Institution	SOBSBGI/ SORBCNT
“Interaction”			X	X	WFT_INTERACTION	Yes	Person UID, Interaction, Person Interaction Key	REL_INTERACT IONLOG
“Interest”		X	X	X	WFT_INTEREST		Person UID, Interest	SORINTS
“Meeting Time”		X		X	WFT_MEETING_TIME		Academic Period, Course Reference Number, Meeting, Meeting Time, Meeting Location	SSBSECT/ SSRMEET
“Post Secondary School”		X	X	X	WFT_POST_SECONDARY_SCHOOL		Person UID, Post Secondary School, Post Secondary Number	SORPCOL/ SORDEG or SHRDGMR
“Probability Desirability Instance”			X		WFT_PROB_DESIRE_INSTANCE		Person UID, Academic Period, Funnel Student Level, P/D Model, P/D Instance, P/D Factor	REL_LIFECYCLE%
“Probability Desirability Model”			X		WFT_PROB_DESIRE_Model		Academic Period, Funnel Student Level, P/D Model, P/D Instance	REL_LIFECYCLE%

Star Name	Star ERD	Base-line EDW	RAP	SRP	Operational Fact Table	Freeze Functionality	Fact Table Granularity	Related Banner Table/Rows
“Prospective Student”		X	X		WFT_PROSPECTIVE_STUDENT		Person UID	All rows in Banner SPRIDEN rows where there is either a SARADAP and SRBRECR row in the academic period
“Race”		X	X	X	WFT_RACE		Person UID, Race	GORRACE/ GORPRAC
“Recruiter Assignment”			X		WFT_RECRUITER_ASSIGNMENT	Yes	Person UID, Academic Period, Recruiter UID, Administrator Role, Record Type, Record Number	GORICCR/ SORAINF
“Recruitment Attribute”		X	X		WFT_RECRUITMENT_ATTRIBUTE		Person UID, Academic Period, Recruit Number, Attribute	SRRRATT
“Recruitment Cohort”		X	X		WFT_RECRUITMENT_COHORT		Person UID, Academic Period, Recruit Number, Cohort	SRRCHRT
“Retention Multi Year”		X		X	WFT_RETENTION_MULTI_YEAR		Person UID, Student Level	none

Star Name	Star ERD	Base-line EDW	RAP	SRP	Operational Fact Table	Freeze Functionality	Fact Table Granularity	Related Banner Table/Rows
“Secondary School Subject”		X	X		WFT_SECONDARY_ SCHOOL_SUBJECT		Person UID, Institution, Secondary School Subject	SORHSBJ/ SORHSCH
“Student”		X		X	WFT_STUDENT		Person UID, Academic Period	SGBSTDN/ SOBTERM/ SFRSTCR/ SHRTCKN based on ACADEMIC PERIOD PATTERN and SOBTERM_REA DM_REQ/ SORLCURR/ SORLFOS primary only
“Student Activity”		X		X	WFT_STUDENT_AC TIVITY		Person UID, Academic Period, Student Activity	SGRSACT
“Student Attribute”		X		X	WFT_STUDENT_AT TRIBUTE		Person UID, Academic Period, Attribute	SGRSATT
“Student Cohort”		X		X	WFT_STUDENT_CO HORT		Person UID, Academic Period, Cohort	SGRCHRT
“Student Course”		X		X	WFT_STUDENT_CO URSE	Yes	Person UID, Academic Period, Student Course	SFRSTCR/ SHRTCKN/ SHRTRCE

Star Name	Star ERD	Base-line EDW	RAP	SRP	Operational Fact Table	Freeze Functionality	Fact Table Granularity	Related Banner Table/Rows
“Student Course Attribute”		X		X	WFT_STUDENT_CO URSE_ATTRIBUTE		Person UID, Academic Period, Course Reference Number, Student Course Attribute	SHRTCKN/ SHRATTR
“Test”		X	X	X	WFT_TEST	Yes	Person UID, Test, Test Date	SORTEST

Banner EDW Baseline - Operational stars common to Banner RAP and Banner SRP

The data for the operational star schemas described in this section are based on existing content from the Banner Student and Banner Financial Aid products. It is intended that you refresh these stars on a regular basis, typically every night.



Note

These stars were created specifically for use with the Banner Recruiting and Admissions Performance (Banner RAP) and Banner Student Retention Performance (Banner SRP) reporting components, however, institutions who license the Banner Enterprise Data Warehouse benefit and may use this set of stars.

The following stars are included in this section:

- [“Banner Communication” on page 2-11](#)
- [“Contact” on page 2-12](#)
- [“Financial Aid Application” on page 2-12](#)
- [“Financial Aid Award By Academic Period” on page 2-14](#)
- [“Financial Aid Award By Aid Year” on page 2-16](#)
- [“Hold” on page 2-17](#)
- [“Institution” on page 2-18](#)
- [“Interest” on page 2-18](#)
- [“Post Secondary School” on page 2-19](#)
- [“Race” on page 2-20](#)
- [“Test” on page 2-20](#)

Banner Communication

The Banner Communication operational star includes information on the mail and material sent, pending, or scheduled using the mail functionality in the Banner ERP system stored on the GURMAIL table.

Click the star icon  to open the star's entity relationship diagram (ERD).

Use this star schema to understand and analyze the impact of communications, materials sent, and communication plans. Data available in this star can be joined with other star schemas for analysis.

You can analyze the measures in this star using attributes from any of the following dimension tables:

- Multi-Source
- Person
- Demographic (race, gender, and so on)
- Aid Year (optional)
- Academic Period (optional)
- Banner Communication (Communication, Material, and Communication Plan)


The following measures are included in this star:

- Banner Communication Count
- Pending Letter Indicator
- First Communication Indicator
- Latest Communication Indicator
- Communication Print Date
- Communication Sent Date

This star uses the transactional refresh process that enables you to track the details of fact table changes by date.

Contact

The Contact star includes detail information about each contact and contact date for all person contacts. Contact dates are tracked so that the critical time reporting (daily, weekly, and monthly) is possible. The first and last contact are identified to enhance the data for reporting.

Click the star icon  to open the star's entity relationship diagram (ERD).

Use the Contact star schema to understand the number of persons with each contact type within a date range. Contact Model will be joined to other star schemas such as Prospective Student and Admissions Application to permit analysis of contacts across academic periods and with other dimensions. This data may be joined with other star schemas for analysis.

You can analyze the measures in this star using attributes from any of the following dimension tables:

- Multi-Source
- Person
- Demographic (gender, race, and so on)
- Contact
- Latest Contact Aging

The following measures are included in this star:

- Contact Count
- First Contact Indicator
- Latest Contact Indicator

Financial Aid Application

The Financial Aid Application star includes all current data related to each financial aid year status and application record. The main information included in this star is from the Banner Financial Applicant Status (RORSTAT) and the Financial Aid Application (RCRAPPx) tables.

Click the star icon  to open the star's entity relationship diagram (ERD).

Use the Financial Aid Application star to understand trends across multiple aid years and to analyze data related to the aid applicant gross need, expected family contribution, total income and eligibility for financial assistance from the institution.

You can analyze the measures in this star using attributes from any of the following dimension tables:

- Multi-Source
- Person
- Demographic (gender, race, and so on)
- Financial Aid Year
- Financial Aid Period
- Budget Group
- Packaging Group
- Financial Aid Status


The following measures are included in this star:

- FM Gross Need
- FM Expect Family Contribution
- FM Student Contribution
- FM Parent Contribution
- FM Student Income
- FM Parent Income
- FM Total Family Income
- FM Unmet Need
- IM Gross Need
- IM Expect Family Contribution
- IM Student Contribution
- IM Parent Contribution
- IM Student Income
- IM Custodial Parent Income
- IM Non Custodial Parent Income
- IM Parent Income
- IM Total Family Income
- IM Non Custodial Income Indicator
- IM Unmet Need

- IM Parent Home Equity
- Cost of Attendance
- Tuition Fee Budget Amount
- Resource Amount
- Other Resource Indicator
- Total Offer Amount
- Total Original Offer Amount
- Total Institution Offer Amount
- Total Federal Offer Amount
- Total State Offer Amount
- Total Other Offer Amount
- Total Scholarship Offer Amount
- Total Loan Offer Amount
- Total Work Offer Amount
- Total Grant Offer Amount
- Total Self Help Offer Amount
- Total Gift Offer Amount
- Total Institution Gift Offer Amount
- Packaging Complete Date
- Packaging Complete Indicator
- FM Batch Lock Indicator
- IM Batch Lock Indicator

Financial Aid Award By Academic Period

The Financial Aid Award By Academic Period star includes all current data related to each financial aid award made by academic period. (Refer to the [“Financial Aid Award By Aid Year”](#) to see the award totaled for the aid year). The main information included in this star is from the Banner Applicant Award by Term Table (RPRATRM).

Click the star icon  to open the star’s entity relationship diagram (ERD).

Use the Financial Aid Award By Academic Period star to understand trends across multiple aid years and to analyze data related to the award offer, accept, decline, or paid per award for the applicant by academic period.

You can analyze the measures in this star using attributes from any of the following dimension tables:

- Multi-Source
- Academic Time
- Person
- Demographic (gender, race, and so on)
- Financial Aid Year
- Financial Aid Status
- Financial Aid Fund
- Financial Aid Fund Status

The following measures are included in this star:

- Award Authorized Amount
- Award Authorized Date
- Award Offered Amount
- Award Offered Date
- Award Original Offered Amount
- Award Original Offered Date
- Award Accepted Amount
- Award Accepted Date
- Award Declined Amount
- Award Declined Date
- Award Canceled Amount
- Award Canceled Date
- Award Memo Amount
- Award Memo Expiration Date
- Award Paid Amount
- Award Paid Date

Financial Aid Award By Aid Year

The Financial Aid Award By Aid Year star includes all current data related to each financial aid award made by aid year. (Refer to the [“Financial Aid Award By Academic Period”](#) to see the award totaled for each separate academic period). The main information included in this star is from the Banner Applicant Award Table (RPRAWRD).

Click the star icon  to open the star’s entity relationship diagram (ERD).

Use the Financial Aid Award By Aid Year star to understand trends across multiple aid years and to analyze data related to the award offer, accept, decline, or paid per award for the applicant for the aid year.

You can analyze the measures in this star using attributes from any of the following dimension tables:

- Multi-Source
- Person
- Demographic (gender, race, and so on)
- Financial Aid Year
- Financial Aid Status
- Financial Aid Fund
- Financial Aid Fund Status.

The following measures are included in this star:

- Award Authorized Amount
- Award Authorized Date
- Award Offered Amount
- Award Offered Date
- Award Original Offered Amount
- Award Original Offered Date
- Award Accepted Amount
- Award Accepted Date
- Award Declined Amount
- Award Declined Date
- Award Canceled Amount

- Award Canceled Date
- Award Memo Amount
- Award Memo Expiration Date
- Award Paid Amount
- Award Paid Date

Hold

The Hold star includes detail information about each institution hold placed on a person. Data will include the hold from and to dates, as well what institution processing is stopped because of the hold.

Click the star icon  to open the star's entity relationship diagram (ERD).

Use the Hold star schema to understand the number of persons with each hold type and average days in the hold condition, institution processes held and outstanding amounts if applicable. The Hold star will be joined to other star schemas such as Prospective Student Person and Admissions Application to permit analysis of holds across academic periods and with other dimensions.

You can analyze the measures in this star using attributes from any of the following dimension tables:


- Multi-Source
- Person
- Demographic (gender, race, and so on)
- Hold

The Hold star includes the following measures:

- Hold Count
- Hold Amount
- Hold From Date
- Hold To Date

Institution

The Institution star includes detail information about each institution.

Click the star icon  to open the star's entity relationship diagram (ERD).

Use the Institution star schema to identify all source background institutions by geographic location. The Institution star will be joined to other star schemas such as Prospective Student Person and Post Secondary School to permit analysis across academic periods and with other dimensions. This data may be joined with other star schemas for analysis.

You can analyze the measures in this star using attributes from any of the following dimension tables:


- Multi-Source
- Institution
- Geographic Region
- Postal
- Street Address

The following measures are included in this star:

- Enrollment
- Number of Seniors
- Percent College Bound
- Mean Family Income

Interest

The Interest star includes detail information about each interest for all person listed interests.

Click the star icon  to open the star's entity relationship diagram (ERD).

Use the Interest star schema to understand the number of persons with each interest type. The Interest star is joined to other star schemas such as Admissions Application and the Funnel Status History records to permit analysis of interests with other dimensions. This data may be joined with other star schemas for analysis.


You can analyze the measures in this star using attributes from any of the following dimension tables:

- Multi-Source
- Person
- Demographic (gender, race, and so on)
- Interest

The Interest star includes the Interest Count measure.

Post Secondary School

The Post Secondary School star includes detail information about each post secondary school attendance period recorded for a person. Data includes post secondary GPA and transfer credit (if it exists) for the attendance period.

Click the star icon  to open the star's entity relationship diagram (ERD).

Use the Post Secondary School star schema to identify all previous colleges, universities, technical institutes attended by the person. The Post Secondary School star will be joined to other star schemas such as Prospective Student Person and Admissions Application to permit analysis across academic periods and with other dimensions. This data may be joined with other star schemas for analysis.

You can analyze the measures in this star using attributes from any of the following dimension tables:

- Multi-Source
- Person
- Demographic (gender, race, and so on)
- Institution
- Post Secondary School

The following measures are included in this star:

- Post Secondary Attend From
- Post Secondary Attend To
- Last Post Secondary Indicator
- Highest Degree Awarded Indicator
- Outcome Award Indicator
- Post Secondary GPA
- Post Secondary Trans Credits

Race

The Race star includes a value race code captured by the institution for a person. The person may have one or many race codes recorded in the Banner ERP. The data in the race star includes all RACE, RACE_CATEGORY, and same data specific to the person in the RACE_ETHNICITY_CONFIRM_DATE. Data from this star is used to set the Race indicators on the Demographic dimension used in many stars.

Click the star icon  to open the star's entity relationship diagram (ERD).

You can analyze the measures in this star using attributes from any of the following dimension tables:

- Person
- Demographic (gender, race, and so on)
- Multi-Source
- Race

The Race Ethnicity Confirm Date measure is included in this star.

Test

The Test star includes a detail history of each test type, score and test date for all persons with test data. Tests are tracked with all detail data so that the critical time reporting (daily, weekly, and monthly) is possible. The highest and latest test score of a test type is available to enhance the data for reporting.

Click the star icon  to open the star's entity relationship diagram (ERD).

Use the Test star schema to understand the number of persons within various test score ranges. The Test star will be joined to other star schemas such as Admissions Application and the Funnel Status History records to permit analysis of test scores across academic periods and with other dimensions. This data will be joined with other star schemas for analysis.

You can analyze the measures in this star using attributes from any of the following dimension tables:

- Multi-Source
- Person
- Demographic (gender, race, and so on)
- Test

The following measures are included in this star:

- Latest Score Indicator
- Highest Score Indicator
- Test Score
- Test Count

The Test star uses the transactional refresh process. This means when you refresh the star, fact table changes are tracked by date and in detail.

Banner EDW Baseline - Banner Recruiting and Admissions Performance operational stars

The data for the operational star schemas described in this section are based on existing content from the Banner Student, Banner General, or Banner Financial Aid products. These stars illustrate recruiting and admissions related fact and dimension table relationships in the warehouse. It is intended that you refresh these stars on a regular basis, typically every night.

Note

These stars were created for use with the Banner Recruiting and Admissions Performance (Banner RAP) reporting components. If your institution has licensed only the Banner Enterprise Data Warehouse, you can also benefit from using these stars. If you have licensed the Banner Recruiting and Admissions Performance product, you will have additional recruiting and admissions related operational stars in your warehouse. Refer to the [“Banner Recruiting and Admissions Performance operational stars”](#) section of this book for information about those stars. ■

The following stars are included in this section:

- [“Administrator” on page 2-23](#)
- [“Admissions Application” on page 2-23](#)
- [“Admissions Recruitment” on page 2-24](#)
- [“Application Attribute” on page 2-25](#)
- [“Application Cohort” on page 2-26](#)
- [“Application Decision” on page 2-26](#)
- [“Application Rating” on page 2-27](#)
- [“Application Requirement” on page 2-28](#)
- [“Prospective Student” on page 2-29](#)
- [“Recruitment Attribute” on page 2-30](#)
- [“Recruitment Cohort” on page 2-30](#)
- [“Secondary School Subject” on page 2-31](#)

Administrator

The Administrator star includes the current version of all administrators to prospective student assigned data for each academic period. The main information included in this star is from the Banner Selective Admissions Administrator Assignment (SORAINF) table.

Click the star icon  to open the star's entity relationship diagram (ERD).

Use the Administrator star to understand any relationships defined for the academic period. The relationship is defined for an Admissions Application Number or Admissions Recruitment Number. You can join the fact table of this star to other star fact tables to analyze assignments by other dimensions. This data will be joined with other star schemas for analysis.

You can analyze the measures in this star using attributes from any of the following dimension tables:

- Multi-Source
- Academic Time
- Demographic (gender, race, and so on)
- Person
- Administrator
- Administrator Role

There are no specific measures included in this star.

Admissions Application

The Admissions Application star includes the current version of all data related to each admissions application record. The main information included in this star is from the Banner Admissions Application Repeating (SARADAP) table.

Click the star icon  to open the star's entity relationship diagram (ERD).

Use the Admissions Application star to understand trends over academic periods. You can also use this star to analyze the number and attributes of applications received, completed and processed to better satisfy admission target goals. This data will be joined with other star schemas for analysis.

You can analyze the measures in this star using attributes from any of the following dimension tables:

- Multi-Source
- Academic Time
- Person
- Demographic (gender, race, and so on)
- Student Application
- Student
- Pre Student Status
- Academic Study
- Financial Aid Year
- Financial Aid Status
- Postal
- Application Supplemental Information

The following measures are included in this star:

- Application Date
- Application Status Date
- Application Fee Received Date
- Application Fee Required Indicator
- Application Complete Indicator

Admissions Recruitment

The Admissions Recruitment star includes the current version of all data related to each recruitment information record. The main information included in this star is from the Banner Recruiting Base (SRBRECR) table.

Click the star icon  to open the star's entity relationship diagram (ERD).

Use the Admissions Recruitment star to understand trends over academic periods, to analyze the number and data for the recruitment records, and to analyze the quality of those prospective students. This data will be joined with other star schemas for analysis.

You can analyze the measures in this star using attributes from any of the following dimension tables:

- Multi-Source
- Academic Time
- Person
- Demographic (gender, race, and so on)
- Student Recruitment
- Student
- Pre Student Status
- Academic Study
- Financial Aid Year
- Financial Aid Status

The following measures are included in this star:

- Recruit Add Date
- Primary Recruit Record Indicator

Application Attribute

The Application Attribute star includes all current attributes associated with an admissions application record. The main information included in this star is from the Banner Admissions Attribute Repeating (SARAATT) table.

Click the star icon  to open the star's entity relationship diagram (ERD).

Use the Application Attribute star to understand trends over academic periods. You can also use this star to analyze the number and types of attributes being used and how the persons with those attributes perform. This data will be joined with other star schemas for analysis.

You can analyze the measures in this star using attributes from any of the following dimension tables:


- Multi-Source
- Academic Time
- Person

- Demographic (gender, race, and so on)
- Application Attribute

There are no measures in this star schema.

Application Cohort

The Application Cohort star includes all current cohort codes associated with an admissions application record. The main information included in this star is from the Banner Cohort Admissions Table (SARCHRT).

Click the star icon  to open the star's entity relationship diagram (ERD).

Use the Application Cohort star schema to understand trends over academic periods. Analyze the number and types of cohorts being used and how the persons with those cohorts perform. This data will be joined with other star schemas for analysis.

You can analyze the measures in this star using attributes from any of the following dimension tables:

- Multi-Source
- Academic Time
- Person
- Demographic (gender, race, and so on)
- Application Cohort

There are no measures in this star schema.

Application Decision

The Application Decision star includes detail history of each admissions application decision recorded for each admissions application. Decisions are tracked with all detail data so that critical time reporting (daily, weekly, and monthly) is possible. The main information included in this star is from the Banner Student Application Decision Repeating (SARAPPD) table.

Click the star icon  to open the star's entity relationship diagram (ERD).

Use the Application Decision star schema to understand trends and analyze the application related information like the number of institution admits, applicant accepts, or institution declines during the application processing cycle. You can analyze the measures using

current person, student application, and other student data. This data may be joined with other star schemas for analysis.

You can analyze the measures in this star using attributes from any of the following dimension tables:

- Multi-Source
- Academic Time
- Person
- Demographic (gender, race, and so on)
- Application Decision

The following measures are included in this star:

- Application Decision Date
- Latest Decision Indicator

The Application Decision star uses the transactional refresh process. This means when you refresh the star, fact table changes are tracked by date and in detail.

Application Rating

The Application Rating star includes detail history of each admissions application rating recorded for each admissions application. The main information included in this star is from the Banner Selective Admissions Student Application Rating (SARRRAT) table.

Click the star icon  to open the star's entity relationship diagram (ERD).

Use the Application Rating star schema to understand trends and analyze the number of institution admits, applicant accepts, and so on during the application processing cycle based on administrators and or ratings assigned to the application. You can analyze the measures using current person, student application, and other student data. This data may be joined with other star schemas for analysis.

You can analyze the measures in this star using attributes from any of the following dimension tables:

- Multi-Source
- Academic Time
- Person
- Demographic (gender, race, and so on)
- Administrator

- Administrator Role
- Application Rating

The Application Rating measure is included in this star.

Application Requirement

The Application Requirement star includes detail history information about each admissions application requirement recorded for each admissions application and its current status. The main information included in this star is from the Banner Admissions Checklist Repeating (SARCHKL) table.

Click the star icon  to open the star's entity relationship diagram (ERD).

Use the Admissions Application Requirement star schema to understand trends and analyze the number of application that are complete and incomplete and what requirement is unsatisfied at particular point in the processing cycle. You can analyze the measures using current person and student application data. This data may be joined with other star schemas for analysis.

You can analyze the measures in this star using attributes from any of the following dimension tables:

- Multi-Source
- Academic Time
- Person
- Demographic (gender, race, and so on)
- Application Requirement

The following measures are included in this star:

- Requirement Waived Indicator
- Requirement Completed Indicator
- Requirement Mandatory Indicator
- First Request Date
- Most Recent Request Date
- Requirement Deadline Date
- Requirement Received Date
- Requirement Requested Count

Prospective Student

The Prospective Student star includes the current version of all data related to each prospective student. The main information included in this star is from the Banner Admissions Application Repeating (SARADAP) and Recruiting Base SRBRECR) tables.

Click the star icon  to open the star's entity relationship diagram (ERD).

Use the Prospective Student star schema to understand and analyze data attributes of potential students that are independent of a specific recruitment or application number. Data available includes secondary and post secondary school, tests, and interests. This data may be joined with other star schemas for analysis.

You can analyze the measures in this star using attributes from any of the following dimension tables:

- Multi-Source
- Person
- Demographic (gender, race, and so on)
- Geographic Region
- Postal
- Street Line
- Secondary School
- Institution

The following measures are included in this star:

- Secondary School Grad Date
- Secondary School Percentile
- Secondary School GPA
- Secondary School Rank
- Secondary School Size

Recruitment Attribute

The Recruitment Attribute star includes all current attributes associated with the recruitment information record. The main information included in this star is from the Banner Recruiting Attribute Repeating (SRRRATT) table.

Click the star icon  to open the star's entity relationship diagram (ERD).

Use the Recruitment Attribute star schema to understand trends over academic periods. Analyze the number and types of attributes being used and how the persons with those attributes perform. This data will be joined with other star schemas for analysis.

You can analyze the measures in this star using attributes from any of the following dimension tables:

- Multi-Source
- Academic Time
- Person
- Demographic (gender, race, and so on)
- Recruitment Attribute

There are no measures available in this star schema.

Recruitment Cohort

The Recruitment Cohort star includes all current cohort codes associated with the recruitment information record. The main table included in this star is Banner Cohort Recruiting (SRRCHRT) table.

Click the star icon  to open the star's entity relationship diagram (ERD).

Use the Recruitment Cohort star schema to understand trends over academic periods. You can analyze the number and types of cohorts being used and how the persons with those cohorts perform. This data will be joined with other star schemas for analysis.

You can analyze the measures in this star using attributes from any of the following dimension tables:


- Multi-Source
- Academic Time
- Person

- Demographic (gender, race, and so on)
- Recruitment Cohort

There are no measures available in this star schema.

Secondary School Subject

The Secondary School Subject star includes detail information about each secondary school subject recorded for a person. The main table included in this star is the Banner Person Related HS Subject Repeating (SORHSBJ) table.

Click the star icon  to open the star's entity relationship diagram (ERD).

Use the Secondary School Subject star schema to identify secondary school subjects used in the admission or placement evaluation processes. The Secondary School Subject star will be joined to other star schemas such as Prospective Student Person and Admissions Application to permit analysis across academic periods and with other dimensions. This data will be joined with other star schemas for analysis.

You can analyze the measures in this star using attributes from any of the following dimension tables:

- Multi-Source
- Person
- Demographic (gender, race, and so on)
- Institution
- Secondary School Subject

The following measures are included in this star:

- Years Taken
- Secondary School Subject GPA

Banner EDW Baseline - Banner Student Retention Performance operational stars

The data for the operational star schemas described in this section are based on existing content from the Banner Student product. These stars consist of the student fact and dimension tables that support analysis around student retention relationships in the warehouse. It is intended that you refresh these stars on a regular basis, typically every night. It is intended that you refresh these stars on a regular basis, typically every night.



Note


These stars are created for use with the Banner Student Retention Performance (Banner SRP) reporting components. If your institution has licensed only the Banner Enterprise Data Warehouse, you can also benefit from using these stars.

The following stars are included in this section:

- [“Academic Outcome” on page 2-33](#)
- [“Academic Outcome Honor” on page 2-34](#)
- [“Advisor” on page 2-34](#)
- [“Athletic” on page 2-35](#)
- [“Course Section” on page 2-36](#)
- [“Grade Change” on page 2-36](#)
- [“Meeting Time” on page 2-37](#)
- [“Retention Multi Year” on page 2-38](#)
- [“Student” on page 2-38](#)
- [“Student Activity” on page 2-41](#)
- [“Student Attribute” on page 2-42](#)
- [“Student Cohort” on page 2-42](#)
- [“Student Course” on page 2-43](#)
- [“Student Course Attribute” on page 2-45](#)

Academic Outcome

The Academic Outcome star provides a current version of all academic outcome data stored for students about any award, degree, or other formal acknowledgement at the institution. Use the Academic Outcome star schema to determine the completion or current outcome status when this record is created prior to the award of the outcome.

Click the star icon  to open the star's entity relationship diagram (ERD).

You can analyze the measures in this star using attributes from any of the following dimension tables:


- Multi-Source
- Academic Time
- Graduation Academic Time
- Academic Honors - Departmental
- Academic Honors - Institutional
- Person
- Demographic (gender, race, and so on)
- Academic Study
- Academic Outcome

The following measures are included in this star:

- Outcome Application Date
- Outcome Graduation Date
- Credits Attempted
- Credits Earned
- GPA Credits
- Quality Points
- GPA
- Credits Passed

Academic Outcome Honor

The Academic Outcome Honor star provides information about all honors associated with a person's outcomes. It includes both institutional and departmental outcome honors. Use the Academic Outcome Honor star schema to report all honors recorded for an outcome and to determine patterns for those who are more successful in completing outcomes. The main tables included in this star are the Banner Departmental Honors By Degree Repeating (SHRDGDH) and Institutional Honors By Degree Repeating (SHRDGIH) tables.

Click the star icon  to open the star's entity relationship diagram (ERD).

You can analyze the measures in this star using attributes from any of the following dimension tables:


- Multi-Source
- Person
- Academic Outcome Honor

The following measures are included in this star:

- Academic Outcome Honor Count
- Academic Outcome Institutional Honor Count
- Academic Outcome Departmental Honor Count

Advisor

The Advisor star provides current version of all advisors and their advisor role or type assigned to student for the academic period. Use the Advisor star schema to understand any relationships defined for the academic period. The main table included in this star is the Banner Multiple Advisors Repeating (SGRADVR) table.

Click the star icon  to open the star's entity relationship diagram (ERD).

You can analyze the measures in this star using attributes from any of the following dimension tables:

- Multi-Source
- Academic Time
- Person
- Demographic (gender, race, and so on)
- Advisor

The following measures are included in this star:

- Advisor Count
- Primary Advisor Indicator

Athletic

The Athletic star provides the details of all sports (athletic participation) recorded for the student including details of seasons of completion available, used, remaining, and if athletic aid was given. Use the Athletic star schema to examine sport participation patterns for the person. This may be used with other fact tables to analyze whether the sport participation has any impact on the student success and or retention. The main tables included in this star are the Banner Sport (SGRSPRT) and Athletic Competition (SGRATHC) tables.

Click the star icon  to open the star's entity relationship diagram (ERD).

You can analyze the measures in this star using attributes from any of the following dimension tables:


- Multi-Source
- Academic Time
- Person
- Demographic (gender, race, and so on)
- Activity
- Athletic

The following measures are included in this star:

- Athletic Count
- Athletic First Year
- Athletic Last Year
- Begin Academic Period of Eligibility
- End Academic Period of Eligibility
- Seasons Competition Remaining
- Seasons Competition Used
- Seasons Competition Available

Course Section

The Course Section star provides data about the section of a course being offered in the academic period. The basic course section information maybe used with the dimensions in this star schema. The main table included in this star is the Banner Section General Information Base (SSBSECT) table.

Click the star icon  to open the star's entity relationship diagram (ERD).

You can analyze the measures in this star using attributes from any of the following dimension tables:

- Multi-Source
- Academic Time
- Sub Academic Period
- Course Reference Number
- Course
- Course Section

The following measures are included in this star:

- Census Enrollment Date1
- Census Enrollment Date2
- Start Date
- End Date
- Meeting Days

Grade Change

The Grade Change star provides information about the original grade recorded and each grade change processed for the student in a student course. The main table included in this star is the Banner Institutional Courses Grade Repeating (SHRTCKG) table.

Click the star icon  to open the star's entity relationship diagram (ERD).

You can analyze the measures in this star using attributes from any of the following dimension tables:

- Multi-Source
- Academic Time


- Person
- Demographic (gender, race, and so on)
- Sub-Academic Period
- Course Reference Number
- Course Section
- Grade Change

The following measures are included in this star:

- Grade
- Grade Change Date
- Credits Attempted
- Credits Passed
- Credits For GPA
- Credits Earned
- Quality Points
- Incomplete Ext Date
- Final Grade Indicator

Meeting Time

The Meeting Time star provides details of each course section meeting days, time, and location for each course section used as a student course. The main table included in this star is the Banner Section Meeting Times Repeating (SSSRMEET) table.

Click the star icon  to open the star's entity relationship diagram (ERD).

You can analyze the measures in this star using attributes from any of the following dimension tables:

- Multi-Source
- Academic Time
- Sub-Academic Period
- Course
- Course Reference Number
- Meeting

- Meeting Location
- Meeting Time

The following measures are included in this star:

- Meeting Time Count
- Start Date
- End Date

Retention Multi Year

The Retention Multi Year star provides details about the academic period first attended and the eight year retention and eight year graduation pattern for each student level attended for the student.

Click the star icon  to open the star's entity relationship diagram (ERD).

You can analyze the measures in this star using attributes from any of the following dimension tables:


- Multi-Source
- Academic Time
- Person
- Demographic (gender, race, and so on)
- Student Level
- Graduation Multi-Year
- Retention Multi-Year

Note

Although there are no measures in this star schema the Retention, Non Persister, Exclusion, and Graduation Hedcounts are determined using this star. ■

Student

The Student star accumulates student data by academic period including academic study, GPA, academic period attended count with credits and course counts, and dates relative to Leave, Start, End, Expected Graduation, and Outcome Application. The main tables included in this star are the Banner Student Base (SGBSTDN) and the Learner Curriculum Repeating tables to store level, college, program, and other data associated with Curriculum (SORLCUR) table.

Click the star icon  to open the star's entity relationship diagram (ERD).

You can analyze the measures in this star using attributes from any of the following dimension tables:

- Multi-Source
- Time (academic time, retention time, and so on)
- Person
- Demographic (gender, race, and so on)
- Academic Study
- Student
- Student Status
- Student Performance
- Enrollment Status
- Pre-Student Status
- Retention
- Financial Aid Year
- Financial Aid Status
- Geographic Region
- Postal
- Street Address

The following measures are included in this star:

- Initial Enroll Status Date
- Enrollment Status Date
- Initial Enroll Status Date
- Current Time Status Date
- Cumulative GPA
- Academic Period GPA
- Previous Academic Period GPA
- Academic Year GPA
- Academic Period Attend Count

- Total Academic Period Attend Count
- Changed Major Count
- Undeclared Major Count
- Academic Study Registered in Count
- Student Full-time Equivalent
- Full-time Equivalent Divisor
- Admit Age
- Leave From Date
- Leave To Date
- Academic Standing End Date
- Start Date Admitted
- Start Date
- End Date
- Expected Grad Date
- Outcome Application Date
- Outcome Graduation Date
- Course In Progress Count
- Total Credits
- Total Credits Earned
- Total Credits Passed
- Total Credits Attempted
- Total Quality Points
- Total Credits for GPA
- Cumulative Credits Earned
- Cumulative Credits Passed
- Cumulative Credits Attempted
- Cumulative Quality Points
- Cumulative Credits for GPA
- Developmental Course Indicator
- Course Attempted Count

- Course Passed Count
- Course Failed Count
- Course Drop Count
- Course Withdrawn Count

Student Activity

The Student Activity star provides current version of all activities for each academic period for a student. Use the Student Activity star schema to understand the number of activities in which the student participated for the academic period grouping by the categories and types defined with the student activity. This data may be joined with other star schemas for analysis. The main table included in this star is the Banner Student Activity Repeating (SGRSACT) table.

Click the star icon  to open the star's entity relationship diagram (ERD).

You can analyze the measures in this star using attributes from any of the following dimension tables:

- Multi-Source
- Academic Time
- Person
- Demographic (gender, race, and so on)
- Activity


The following measures are included in this star:

- Student Activity Count
- Activity Total Academic Periods
- Activity Total Years
- Activity First Year
- Activity Last Year
- Activity First Academic Period
- Activity Last Academic Period

Student Attribute

The Student Attribute star provides details of all current attributes associated with the student record. Use the Student Attribute star schema to understand trends over academic periods. You can analyze the number and types of attributes being used and how the persons with those attributes perform. This data will be joined with other star schemas for analysis.

Banner Student Attribute Repeating (SGRSATT) table is the main table included in this star.

Click the star icon  to open the star's entity relationship diagram (ERD).

You can analyze the measures in this star using attributes from any of the following dimension tables:

- Multi-Source
- Academic Time
- Person
- Demographic (gender, race, and so on)
- Attribute

The Student Attribute Count measure is included in this star.

Student Cohort

The Student Cohort star provides all current cohort codes associated with the student record. Use the Student Cohort star schema to understand trends over academic periods. Analyze the number and types of cohorts being used and how the persons with those cohorts perform. The student cohort data includes academic period end, which implies the time frame expected as the completion academic period. Using this intended completion academic period, the Student Cohort star includes a Cohort Graduation Status that permits the institution to calculate a cohort graduation rate. This data will be joined with other star schemas for analysis.

Banner Student Cohort (SGRCHRT) table is the main table included in this star.

Click the star icon  to open the star's entity relationship diagram (ERD).

You can analyze the measures in this star using attributes from any of the following dimension tables:

- Multi-Source
- Academic Time
- Person
- Demographic (gender, race, and so on)
- Cohort


The following measures are included in this star:

- Student Cohort Count
- Student Cohort Active Indicator
- Cohort Graduation Status
- Cohort Expected Graduation Headcount

Student Course

The Student Course star schema provides information on all student courses by course source of registration, history or transfer. Includes key course data containing several course counts, credit totals, grade information, indicators, and dates.

Banner Institutional Course Term Maintenance Repeating (SFRSTCR) and Institutional Course Term Maintenance Repeating (SHRTCKN) tables are the main tables included in this star.

Click the star icon  to open the star's entity relationship diagram (ERD).

You can analyze the measures in this star using attributes from any of the following dimension tables:

- Multi-Source
- Academic Time (academic time and sub-academic period)
- Person
- Demographic (gender, race, and so on)
- Course
- Course Reference Number
- Course Section
- Registration

- Grade Change
- Instructor
- Meeting Time
- Student Course Attributes
- Final Grade Change
- Course Source (registration, history, and transfer)

The following measures are included in this star:

- Student Course Count
- Course Attempted Headcount
- Course Registered Headcount
- Course Initial Registered Headcount
- Course Passed Headcount
- Course Dropped Headcount
- Course Withdrawn Headcount
- Course Failed Headcount
- Course Credits
- Course Credits Attempted
- Course Credits Earned
- Course Credits Passed
- Course Credits For GPA
- Final Grade Quality Points
- Mid Term Grade
- Final Grade
- Final Grade Date
- Grade Change Count
- Special Approval Indicator
- In Progress Course Indicator
- Institution Course Indicator Transfer Course Indicator
- Repeat Course Indicator
- Developmental Course Indicator

- Registration Status Date
- Initial Registration Date

In addition to these measures, when this star schema is used in a business concept, a variety of counts are made available using the various indicators as filters.

Student Course Attribute

The Student Course Attribute star schema provides information on all degree course attributes assigned to each of the student's courses. You can use these student course attributes with other star information to analyze the impact of the course with the attributes themselves or with other attributes to analyze any impact they have on student retention and or success.

Banner History Course Section Attribute (SHRATTR) and History Transfer Course Attributes (SHRTCAT) tables are the main tables included in this star.

Click the star icon  to open the star's entity relationship diagram (ERD).

You can analyze the measures in this star using attributes from any of the following dimension tables:

- Multi-Source
- Person
- Academic Time
- Course
- Course Attribute
- Course Reference Number

The Student Course Attribute Count measure is included in this star.

Common Performance product operational stars

The data for the operational star schemas described in this section are based on existing content from the Banner Relationship Management (BRM) product. These stars illustrate the fact and dimension table relationships of information loaded into the warehouse from Banner Relationship Management. It is intended that you refresh these stars on a regular basis, typically every night.

Note

These stars are created specifically for use with the Banner Recruiting and Admissions Performance and Banner Student Retention Performance reporting components. You must license at least one of these Performance products as well as Banner Relationship Management to have these stars in your warehouse and use them. ■

The following stars are included in this section:

- [“Communication” on page 2-46](#)
- [“EM Campaign” on page 2-47](#)
- [“Interaction” on page 2-48](#)


Note

There are additional operational stars delivered with the Banner EDW that are used in either the Banner Recruiting and Admissions Performance or Banner Student Retention Performance products. Refer to the [“Banner EDW Baseline - Banner Recruiting and Admissions Performance operational stars”](#) and [“Banner EDW Baseline - Banner Student Retention Performance operational stars”](#) sections of this book for information about those stars. ■

Communication

The Communication star includes details for each communication set received for a person. This star includes all communication detail data so that critical time reporting, for example, daily, weekly, and monthly, is possible. The main information included in this star is from the REL_COMMUNICATION_ITEM.

Use the Communication star to assess the number of communications sent and received, and which initial communication received the most replies and therefore is effective in engaging the prospective students in the enrollment funnel. This information can be used to analyze the measures in this star using attributes from any of the following dimension attributes: Multi-Source, Person, Demographic (for example, gender or race), Communication Template, Communication, or EM Campaign.

Click the star icon  to open the star's entity relationship diagram (ERD).

You can analyze the measures in this star using attributes from any of the following dimension tables:


- Multi-Source
- Person
- Demographic (race, gender, and so on)
- Communication
- Communication Template
- EM Campaign
- EM Organization

The measures for this star include a series of indicators and dates that identify the sequence of communications to an individual:

- Communication Item ID
- Communication Batch ID
- Communication Sent Date
- Communication Sent Time
- Message ID
- Initial Message ID
- Initial Message Indicator
- Parent Message ID
- Campaign Communication Indicator
- Person Communication Opt Out Indicator

EM Campaign

The EM Campaign star includes details for all campaigns assigned to a person. The main information included in this star is from the REL_CAMPAIGN.

Click the star icon  to open the star's entity relationship diagram (ERD).

Use the EM Campaign star to understand the number of prospective students entering a campaign along with the start and stop date. This information can be used to analyze the measures in this star using attributes from any of the following dimension attributes:

Multi-Source, Person EM Campaign, EM Campaign, Person, Demographic (for example, gender or race), or EM Campaign Status.

You can analyze the measures in this star using attributes from any of the following dimension tables:


- Multi-Source
- Person
- Demographic (race, gender, and so on)
- EM Campaign
- EM Campaign Status

The measures for this star include a series of dates associated with campaigns and the when it is assigned to an individual:

- EM Campaign Start Date
- Person EM Campaign Start Date
- Person EM Campaign Stop Date

Interaction

The Interaction star includes details for each interaction between your institution and a person. This star includes all basic data for an interaction that is saved on the interaction log. The log identifies all the attributes associated with each interaction as well as identifying the first and latest interaction. The information included in this star is from the REL_INTERACTIONLOG.

Click the star icon  to open the star's entity relationship diagram (ERD).

Use the Interaction star to assess the number of interactions in total or by source, type and or category, as well as the attributes of the first interaction and the latest interaction and the time elapsed since the last interaction.

You can analyze the measures in this star using attributes from any of the following dimension tables:

- Multi-Source
- Person
- Demographic (race, gender, and so on)
- Interaction
- Creator

- EM Organization
- Authoritative Source
- Authoritative Source Type

The measures for this star include a series of indicators and dates associated with the interaction that identify when assigned and the sequence for an individual:

- Subject Line
- Interaction Date
- Interaction Time
- First Interaction Indicator
- Last Interaction Indicator
- Last Organization Interaction Indicator
- Last Organization Category Interaction Indicator
- Last Category Interaction Indicator
- Last Category Type Interaction Indicator
- Manual Interaction Content

Banner Recruiting and Admissions Performance operational stars

The data for the operational star schemas described in this section are based on existing content from the Banner Relationship Management (BRM) product, or from concepts used within the relationship product to combine recruiting and admissions data. These stars illustrate the fact and dimension table relationships of information loaded into the warehouse from Banner Relationship Management. It is intended that you refresh these stars on a regular basis, typically every night.

Note

These stars were created specifically for use with the Banner Recruiting and Admissions Performance reporting components. You must license that product as well as Banner Relationship Management to have these stars in your warehouse and use them. ■

The following stars are included in this section:


- [“Combined Admissions Record” on page 2-51](#)
- [“Combined Attribute” on page 2-52](#)
- [“Combined Cohort” on page 2-53](#)
- [“Funnel History” on page 2-53](#)
- [“Probability Desirability Instance” on page 2-54](#)
- [“Probability Desirability Model” on page 2-56](#)
- [“Recruiter Assignment” on page 2-57](#)

Note

There are additional operational stars delivered with the Banner EDW that are used in the Banner Enterprise Data Warehouse product. Refer to the [“Banner EDW Baseline - Banner Recruiting and Admissions Performance operational stars”](#) section of this book for information about those stars. ■

Combined Admissions Record

The Combined Admissions Record star includes all current data related to each admissions application record or recruitment information record depending on the type of record (admissions or recruitment.) The main information included in this star is from the Banner Admissions Application Repeating (SARADAP) and the Recruiting Base (SRBRECR) tables.

Click the star icon  to open the star's entity relationship diagram (ERD).

Use the Combined Admissions Record star to understand trends across multiple academic periods and to analyze data related to the enrollment funnel. You can analyze the data related to the Banner record that was used to determine the funnel status. This information can be used to analyze the measures in this star using attributes from any of the following dimension attributes: Multi-Source, Academic Time, Person, Demographic (for example, gender or race), Record Number, Student, Academic Study, Financial Aid Status, Funnel Student Level, or Calendar Date.

The Combined Admissions Record star uses an accumulating refresh process. This means when you refresh the star, table changes are not tracked but rather updated to current information.

You can analyze the measures in this star using attributes from any of the following dimension tables:

- Multi-Source
- Academic Time
- Person
- Demographic (gender, race, and so on)
- Student
- Academic Study
- Financial Aid Year
- Financial Aid Status
- Funnel Student Level
- Record Type (admissions and recruit)
- Record Status
- Primary Source
- Recruiter
- Recruit Type

- Withdrawal Reason
- Institution Attending

There are no significant measures for this star since it is the combined data from two other stars - Admissions Application and Admissions Recruitment.

Combined Attribute

The Combined Attribute star includes current data attributes associated with either an admissions application record or the admissions recruitment record depending on the type of record (admissions or recruitment.) The main information included in this star is from the Banner Admissions Attribute Repeating (SARAATT) and the Recruiting Attribute Repeating (SRRRATT) tables.

Click the star icon  to open the star's entity relationship diagram (ERD).

Use the Combined Attribute star to understand trends over academic periods. You can analyze the number and types of attributes being used and how the persons with those attributes perform.

The Combined Attribute star uses an accumulating refresh process. This means when you refresh the star, table changes are not tracked but rather updated to current information.


You can analyze the measures in this star and others using attributes from any of the following dimension tables:

- Multi-Source
- Academic Time
- Person
- Demographic (gender, race, and so on)
- Attribute

There are no significant measures for this star since it is the combined data from two other stars - Application Attribute and Recruitment Attribute.

Combined Cohort

The Combined Cohort star includes all current cohort codes associated with either an admissions application or the admissions recruitment record depending on the type of record (admissions or recruitment.) The main information included in this star is from the Banner Admissions Cohort Repeating (SARCHRT) and the Recruiting Cohort Repeating (SRRCHRT) tables.

Click the star icon  to open the star's entity relationship diagram (ERD).

Use the Combined Cohort star to understand trends over academic periods. You can analyze the number and types of cohorts being used and how people with those cohorts perform.

The Combined Cohort star uses an accumulating refresh process. This means when you refresh the star, table changes are not tracked but rather updated to current information.


You can analyze the measures in this star and others using attributes from any of the following dimension tables:

- Multi-Source
- Academic Time
- Person
- Demographic (gender, race, and so on)
- Cohort

There are no significant measures for this star since it is the combined data from two other stars - Application Cohort and Recruitment Cohort.

Funnel History

The Funnel History star includes details for all funnel statuses assigned to a prospective student in an academic period. The star data includes the sequence, the first funnel status, and the latest funnel status. This star includes all funnel status history detail data so that critical time reporting, for example, daily, weekly, and monthly, is possible. The main information included in this star is from the REL_LIFECYCLE_STATE.

Click the star icon  to open the star's entity relationship diagram (ERD).

Use the Funnel History star to understand the number of prospective students and how they are moving through the enrollment funnel, prospective students' initial funnel status and current funnel status, and how long they remained in each funnel status.

The Funnel History star uses a transactional refresh process. This means when you refresh the star, table changes are tracked by date and in detail.

You can analyze the measures in this star and others using attributes from any of the following dimension tables:


- Multi-Source
- Academic Time
- Person
- Demographic (gender, race, and so on)
- Funnel
- Funnel Qualifier
- Funnel Status
- Funnel Student Level
- Person Funnel Status
- Record Type (admission or recruit)

The measures for this star include either indicator or dates that make more complex reporting on initial, all and current funnel status possible:

- Funnel Status Start Date
- Funnel Status Stop Date
- Current Funnel Status Indicator
- First Funnel Status Indicator

Probability Desirability Instance

The Probability Desirability Instance operational star includes details for probability and desirability factor scores calculated by the Banner Relationship Management product based on institution defined rules in one of the following predefined factor groups: Demographic, Admissions Activity, Financial Aid, Academic, Interaction with Institution, or Other.

Click the star icon  to open the star's entity relationship diagram (ERD).

The data stored in this star schema includes Probability or Desirability model instance statistics. You can analyze the details of the factor and factor score within each factor group.

This star uses the data from the following tables:

- REL_LIFECYCLE_MODEL
- REL_LIFECYCLE_BINDING
- REL_LIFECYCLE_TRACK
- REL_LIFECYCLE_STATE
- REL_LIFECYCLE_PARTY_STATE
- REL_LIFECYCLE_PARTY_POINTVALUE

The information included in this star is primarily from the REL_LIFECYCLE_PARTY_STATE and REL_LIFECYCLE_PARTY_POINTVALUE.

You can analyze the measures in this star and others using attributes from any of the following dimension tables:


- Multi-Source
- Academic Time
- Person
- Demographic (race, gender, and so on)
- Funnel Student Level
- Probability/Desirability Model
- Probability/Desirability Instance
- Person Probability Desirability Factor

The measures for this star defined whether person should count in the headcount for the probability or desirability model. Additional statistical values include the following:

- Person Probability Desirability Factor Value
- Person Probability Desirability Calculation Date
- Person Instance Score
- Person Instance Headcount
- Person Instance Decile
- Person Instance Quartile

Probability Desirability Model

The Probability Desirability Model operational star includes information that enables your institution to calculate probability and desirability scores based on the model defined by your institution. The data can be reviewed as the overall probability score or desirability score.

Click the star icon  to open the star's entity relationship diagram (ERD).

This star uses the data from the following tables:

- REL_LIFECYCLE_MODEL
- REL_LIFECYCLE_BINDING
- REL_LIFECYCLE_TRACK
- REL_LIFECYCLE_STATE
- REL_LIFECYCLE_PARTY_STATE
- REL_LIFECYCLE_PARTY_POINTVALUE

The information included in this star is primarily from the REL_LIFECYCLE_MODEL and a function to calculate the statistics for the model instance.

You can analyze the measures in this star and others using attributes from any of the following dimension tables:

- Multi-Source
- Academic Time
- Funnel Student Level
- Probability/Desirability Model
- Probability/Desirability Instance


The measures for this star are precalculated and will be defined as attributes in the FM Models so that calculations are not to be performed on these measures. The measures include:

- Probability Desirability Calculation Date
- Probability Desirability Maximum Actual Score
- Probability Desirability Minimum Actual Score
- Probability Desirability Mean
- Probability Desirability Median

- Probability Desirability Variance
- Probability Desirability Standard Deviation
- Probability Desirability Headcount

Recruiter Assignment

The Recruiter Assignment star includes information about all recruiters and the people assigned to each recruiter. The main information included in this star is from the Banner (GORICCR) table.

Click the star icon  to open the star's entity relationship diagram (ERD).

Use the Recruiter Assignment star to analyze the number of prospective students assigned to each recruiter. You can join the Recruiter Assignment star with other stars like the Combined Admission Record star or the Funnel History star to view the number of recruits and their initial and current enrollment funnel statuses. The number of days in each funnel status may imply the effectiveness of the recruiter in moving their assigned prospective students through the funnel.

You can analyze the measures in this star and others using attributes from any of the following dimension tables:

- Multi-Source
- Academic Time
- Person
- Demographic (race, gender, and so on)
- Recruiter and Demographic
- Administrator Role
- Record Type and Number

There are no measures for this star. Although there are no specific Recruiter Assignment measures, when data from this star is combined with data in the Administrator star in business concepts, the Prospective Student Headcount and the Recruiter Count are included as measures.

Banner EDW Baseline - Advancement Analytics for Cognos operational stars

The data for the operational star schemas described in this section are based on existing content from the Banner Advancement, Banner General or Advance products. These stars illustrate the advancement-related fact and dimension table relationships in the warehouse. It is intended that you refresh these stars on a regular basis, typically every night.




Note

These stars were created for use with the Advancement Analytics for Cognos (AAC) reporting components, however, institutions who license the Banner Enterprise Data Warehouse benefit and may use this set of stars.

Advancement operational stars — At a glance

The following table lists the advancement-related operational stars that are included in the Banner EDW. The table identifies key information about each star. The **Baseline EDW** and **AAC** columns identify the applications in which each star is included.

- **Baseline EDW** = included with baseline Banner Enterprise Data Warehouse
- **AAC** = included with Advancement Analytics for Cognos product

Star ERD - Click the star icon  associated with a star to open that star's entity relationship diagram (ERD).

Use the following table as a reference and refer to later sections of this book for more details about each operational and snapshot star.




Note

To understand the data source mappings from Banner Advancement and Advance, refer to the AP Data Dictionary spreadsheet available from the Data Model documentation section in the Documentation Download area of the Customer Support Center.

Star Name	Star ERD	Baseline EDW	Advantage	Operational Fact Table	Fact Table Granularity	Related Banner Table	Related Advance Table
“Address”		X	X	WFT_ADDRESS	Entity UID, Address Type, XSEQUENCE	SPRADDR	Address
“Affiliation”		X	X	WFT_AFFILIATION	Entity UID, Affiliation Type, Affiliation Sequence		Affiliation
“Assignment”		X	X	WFT_ASSIGNMENT	Entity UID, Prospect ID, Program, Assignment Type, Assignment Staff	AMRSTAF AMBPROP	Assignment
“Constituent Employment”		X	X	WFT_CONSTITUENT_EMPLOYMENT	Entity UID, Employer UID, Employer Name, Employment Position	APREHIS AOBORG APRXREF SPRIDEN	Employment
“Constituent Entity”		X	X	WFT_CONSTITUENT_ENTITY	Entity UID	APBCONS or AOBORG	Entity
“Constituent Entity Type”		X	X	WFT_CONSTITUENT_ENTITY	Entity UID, Constituent Entity Type	APRCATG	Entity_Record_Type
“Constituent Evaluation”		X	X	WFT_CONSTITUENT_EVALUATION	Entity UID, Prospect ID, Program, Evaluation ID	AMRPRRT	Evaluation
“Constituent Interest”		X	X	WFT_CONSTITUENT_INTEREST	Entity UID, Constituent Interest	APRIGRP	Interest

Star Name	Star ERD	Baseline EDW	Advance	Operational Fact Table	Fact Table Granularity	Related Banner Table	Related Advance Table
“Constituent Profile”		X	X	WFT_CONSTITUENT_PROFILE	Entity UID, Profile, Profile ID	AMREXRT	Demographic_Profile
“Contact Report”		X	X	WFT_CONTACT_REPORT WFT_CONTACT_REPORT_CREDIT	Entity UID, Prospect ID, Contact Author, Contact ID Number, Credit Recipient	AMRCONT	Contact_Report, Contact_Rpt_Credit
“Designation Attribute (Banner Advancement Only)”		X		WFT_DESIGNATION_ATTRIBUTE	Designation, Designation Attribute	ADRATTR	
“Geographic Region”		X	X	WFT_GEOGRAPHIC_REGION	Entity UID, Geographic Division/Region, Address Type, Address Sequence	SOVGEOR, SORGEOR	Address_Geo, Geo_Type, Geo_Code
“Gift”		X	X	WFT_GIFT	Gift Number, Transaction Type, Donor Association, Campaign, Designation	AGBGIFT, AGRGCAM, AGRGDES, AGRGMLT, AGRGMMO	Gift, Matching_Gift
“Gift Society”		X	X	WFT_GIFT_SOCIETY WFT_GIFT_SOCIETY_PREMIUM	Entity UID, Gift Society, Gift Society Year, Gift Society Seq Number, Gift Society Premium	APRDCLB, APRDCPR	Gift_Club_Table, Gift_Clubs
“Giving Code (Advance Only)”			X	WFT_GIVING_CODE	Gift Number, Giving Code	Advance only	Gift_Codes

Star Name	Star ERD	Baseline EDW	Advance	Operational Fact Table	Fact Table Granularity	Related Banner Table	Related Advance Table
“Matching Claim”		X	X	WFT_MATCHING_CLAIM	Gift Number, Transaction Type, Donor Association, Campaign, Designation	AGBGIFT, AGBMGID, AGRMDES	Matching_Claim
“Membership”		X	X	WFT_MEMBERSHIP WFT_MEMBERSHIP_CLUB WFT_MEMBERSHIP_INTEREST	Entity UID, Membership, Member Number, Member Interest	AARMEMB, AARMINT	Memb_Entity, Memb, Memb_Club
“Pledge”		X	X	WFT_PLEDGE	Pledge Number, Transaction Type, Donor Association, Campaign, Designation	AGBPLDG, AGRPCAM, AGRPDES, AGRPMLT, AGRPMMO	Pledge
“Program Prospect (Advance Only)”			X	WFT_PROGRAM_PROSPECT	Prospect ID, Advancement Program, Advancement Program Year		Program_Prospect
“Program Prospect Stage (Advance Only)”			X	WFT_PROGRAM_PROSPECT_STAGE	Prospect ID, Advancement Program, Advancement Program Year, Program Prospect Stage	Advance only	Program_Prospect, Stage
“Proposal”		X	X	WFT_PROPOSAL	Entity UID, Prospect ID, Proposal ID	AMBPROP	Proposal
“Proposal Purpose”		X	X	WFT_PROPOSAL_PURPOSE	Prospect ID, Proposal, Proposal Purpose	AMRPROP	Proposal Purpose

Star Name	Star ERD	Baseline EDW	Advance	Operational Fact Table	Fact Table Granularity	Related Banner Table	Related Advance Table
“Proposal Purpose Result (Banner Advancement Only)”		X		WFT_PROPOSAL_PURPOSE_RESULT	Prospect ID, Proposal, Proposal Purpose, Proposal Purpose Result Amount, Proposal Purpose Date	AMRPRRS	
“Proposal Purpose Stage (Banner Advancement Only)”		X		WFT_PROPOSAL_PURPOSE_STAGE	Prospect ID, Proposal, Proposal Purpose, Proposal Purpose Stage	AMRPROP	
“Proposal Stage”		X	X	WFT_PROPOSAL_STAGE	Prospect ID, Proposal, Proposal Stage	AMBPROP	Proposal, Stage
“Prospect”		X	X	WFT_PROSPECT	Prospect ID	AMRINFO	Prospect
“Prospect Category (Advance Only)”			X	WFT_PROSPECT_CATEGORY	Prospect ID, Prospect Category	Advance only	Prospect Category
“Prospect Entity”		X	X	WFT_PROSPECT_ENTITY	Entity UID, Prospect ID, Advancement Program	AMRINFO, APBCONS, AOBORGN	Prospect_Entity
“Prospect Interest”		X	X	WFT_PROSPECT_INTEREST	Prospect ID, Prospect Interest	AMRPRIN	Prospect Interest
“Prospect Stage”		X	X	WFT_PROSPECT_STAGE	Prospect ID, Prospect Stage	AMRINFO	Prospect, Stage
“Relationship”		X	X	WFT_RELATIONSHIP	Entity UID, Relation, Related Entity UID, Non Relation Key	APRCSPS, APRCHLD, APRXREF	Entity, Children, Former Spouse, Relationship

Address

The Address star provides information about all addresses for a constituent, including the address type, whether the address is preferred or current (active), address details and geographic region attributes. Measures include all, current and seasonal address counts and address start and stop dates.

Banner Address Information (SPRADDR) table is the main table included in this star.

Click the star icon  to open the star's entity relationship diagram (ERD).

The measures in this star include start and end dates and a count of seasonal addresses.

You can analyze the measures in this star using attributes from any of the following dimension tables:


- Multi-Source
- Entity
- Address Type
- Postal
- Street Address

The aggregate stars source the following measures and indicators from this operational star:

- Address Count
- Address Start Date
- Address Start Date Partial
- Address Stop Date
- Address Stop Date Partial
- Current Address Count
- Current Address Indicator
- Current Seasonal Address Count
- Default Geographic Region Address Type Indicator
- Preferred Address Indicator
- Preferred Go Region Indicator
- Seasonal Address Exists Indicator
- Seasonal Address Indicator

Affiliation

The Affiliation star provides information about all affiliations associated to a constituent; including affiliations with the institution, other organizations or activities as applicable.

Click the star icon  to open the star's entity relationship diagram (ERD).

You can use this information to analyze the measures in this star using attributes from any of the following dimension tables:


- Multi-Source
- Entity
- Affiliation

The aggregate stars source the following measures and indicators from this operational star:

- Affiliation Count
- Affiliation Start Date
- Affiliation Stop Date
- Primary Affiliation Indicator

Assignment

The Assignment star provides information about the staff assignments to a prospect or entity.

Click the star icon  to open the star's entity relationship diagram (ERD).

You can analyze the measures in this star using attributes from any of the following dimension tables:

- Multi-Source
- Entity
- Staff
- Advancement Office
- Prospect
- Assignment
- Fundraising Initiative

- Proposal
- Designation
- Designation Detail

The aggregate stars source the following measures from this operational star:

- Primary Assignment Indicator
- Entity Assignment Indicator
- Prospect Assignment Indicator
- Program Prospect Assignment Indicator
- Proposal Assignment Indicator
- Allocation Assignment Indicator
- Committee Assignment Indicator
- Contract Grant Assignment Indicator
- Start Date
- Stop Date
- Prospect Program Year ID
- Assignment ID

Constituent Employment

The Constituent Employment star provides information about all employers and employment related information for a Constituent, as applicable.

Click the star icon  to open the star's entity relationship diagram (ERD).

You can use this information to analyze the measures in this star using attributes from any of the following dimension tables:


- Constituent Employment Position
- Relationship
- Entity
- Non Entity Relation
- Constituent Job Category
- Constituent Employment Job

The aggregate stars source the following measures and indicators from this operational star:

- Coop-Intern Ind Description
- Current Employment Indicator
- Employment Count
- Employer Entity Indicator
- Employee Start Date
- Employee Stop Date
- Employee Start Date Partial
- Employee Stop Date Partial
- Employee Weekly Hours
- Employer Relation Active Indicator
- Primary Employment Indicator
- Retired Indicator
- Self Employed Indicator

Constituent Entity

The Constituent Entity star provides information about the constituent, including several measures to count, such as if the constituent has been contacted, assigned staff, rated, is a prospect, and an alumnus.

Click the star icon  to open the star's entity relationship diagram (ERD).

You can analyze the measures in this star using attributes from any of the following dimension tables:

- Multi-Source
- Entity
- Constituent Entity Type
- Class School
- Primary Constituent Entity Type
- Preferred Class School
- Preferred Address

- Demographic
- Donor Summary

The aggregate stars source the following measures from this operational star:

- Entity Count
- Contacted Entity Count
- Assigned Entity Count
- Rated Entity Count
- Primary Prospect Entity Count
- All Prospect Entity Count
- Prospect Entity Count
- Program Prospect Entity Count
- Rated Prospect Entity Count
- Major Prospect Entity Count
- Program Prospect Entity Count
- Alumni Entity Count

Constituent Entity Type

The Constituent Entity Type star provides measures for the constituent donor type.

Click the star icon  to open the star's entity relationship diagram (ERD).


You can analyze the measures in this star using attributes from any of the following dimension tables:

- Multi-Source
- Entity
- Constituent Entity Type
- Class School

There are no specific measures for this star unless it is combined with other star schema in a business concept.

Constituent Evaluation

The Constituent Evaluation star provides information about all prospect ratings (Banner), constituent, prospect, or program prospect evaluations (Advance) for a constituent, prospect, or program prospect, as applicable.

Click the star icon  to open the star's entity relationship diagram (ERD).

You can use this information to analyze the measures in this star using attributes from any of the following dimension tables:

- Constituent Evaluation
- Constituent Evaluation Detail
- Advancement Program Year
- Advancement Program
- Entity
- Multi Source
- Prospect
- Staff
- Unit

The aggregate stars source the following measures and indicators from this operational star:

- Active Evaluation Indicator
- Evaluation Amount
- Evaluation Count
- Evaluation Date
- Evaluation Days
- Primary Evaluation Indicator

Constituent Interest

The Constituent Interest star provides information about all interests associated to a constituent; including personal interests or interests with the institution, and so on, as applicable.

Click the star icon  to open the star's entity relationship diagram (ERD).

You can use this information to analyze the measures in this star using attributes from any of the following dimension tables:

- Constituent Interest
- Entity
- Multi Source

The Constituent Interest Count measure is included in this star.

Constituent Profile

The Constituent Profile star provides information about all external ratings (Banner) or demographic profiles (Advance) for a constituent.

Click the star icon  to open the star's entity relationship diagram (ERD).

You can use this information to analyze the measures in this star using attributes from any of the following dimension tables:


- Constituent Profile
- Constituent Profile Detail
- Entity
- Multi Source

The aggregate stars source the following measures from this operational star:

- Profile Amount
- Profile Count
- Profile Date

Contact Report

The Contact Report star provides information about all contacts made with a constituent or prospect. It also includes information related to all parties involved with the contact or who are designated to receive credit for the contact. Additionally, this star includes staff or fundraiser goals to evaluate the progress of actual contact activity of fundraisers against their established goals.

Click the star icon  to open the star's entity relationship diagram (ERD).

You can analyze the measures in this star using attributes from any of the following dimension tables:

- Multi-Source
- Contact Report
- Contact Report Credit
- Contact Report Attribute
- Contact Report Unit
- Advancement Program
- Entity
- Warehouse Entity
- Prospect
- Fundraising Initiative
- Proposal
- Proposal Attribute
- Authorized Staff
- Authorized Entity
- Constituent Profile

The aggregate stars source the following measures from this operational star:


The aggregate stars source the following measures and indicators from this operational star:

- Entity Contact Count
- Prospect Contact Count
- Program Prospect Contact Count

- Proposal Contact Count
- Strategy Contact Count
- Contact Count
- Visit Count
- Contacted Constituent Count
- Contacted Prospect Count
- Prospect Visit Count
- Contact Date
- Contact Action Date
- Latest Interest Ask Indicator
- Latest Interest Contact Indicator
- Initial Interest Contact Indicator
- Latest Entity Contact Indicator
- Initial Entity Contact Indicator
- Latest Prospect Contact Indicator
- Initial Prospect Contact Indicator
- Latest Proposal Ask Indicator
- Latest Proposal Contact Indicator
- Initial Proposal Contact Indicator
- Latest Proposal Purpose Ask Indicator
- Latest Proposal Purpose Contact Indicator
- Initial Proposal Purpose Contact Indicator
- Latest Visit Indicator
- Prospect Interest Ask Contact Indicator
- Proposal Ask Contact Indicator
- Proposal Purpose Ask Contact Indicator
- Confidential Contact Indicator
- Contact Ask Amount

Designation Attribute (Banner Advancement Only)

The Designation Attribute star includes measures and attributes associated to a designation.

Click the star icon  to open the star's entity relationship diagram (ERD).


You can analyze the measures in this star using attributes from any of the following dimension tables:

- Multi-Source
- Designation
- Designation Attribute
- Designation Detail

There are no specific measures for this star unless it is combined with other star schema in a business concept.

Geographic Region

The Geographic Region star provides information about all geographic regions associated to each constituent address. A geographic region is the combination of a geographic division and region code (Banner) or the combination of a region type and region code (Advance). An address can have multiple geographic division/region associations.

Click the star icon  to open the star's entity relationship diagram (ERD).

You can use this information to analyze the measures in this star using attributes from any of the following dimension tables:

- Geographic Region
- Entity
- Multi-Source
- Address
- Address Type

The aggregate stars source the following measures and indicators from this operational star:

From Address Fact table:

- Address Count
- Address Start Date
- Address Start Date Partial
- Address Stop Date
- Address Stop Date Partial
- Current Address Count
- Current Address Indicator
- Current Seasonal Address Count
- Default Geographic Region Address Type Indicator
- Preferred Address Indicator
- Preferred Geographic Region Indicator
- Seasonal Address Exists Indicator
- Seasonal Address Indicator

From Geographic Region Fact table:

- Geographic Region Count

Gift

The Gift star includes measures for gifts such as donors, source donors, gift dates, matching gift, overall transaction amount, actual transaction amount, overall campaign amount, hard credit and soft credit amounts, matching gift amounts, and campaign year of giving.

Click the star icon  to open the star's entity relationship diagram (ERD).

You can analyze the measures in this star using attributes from any of the following dimension tables:

- Multi-Source
- Gift
- Giving Attribute

- Gift Reporting Indicator
- Year of Giving
- Constituent Entity Type
- Class and School
- Advancement Appeal
- Campaign
- Fundraising Initiative
- Reunion Campaign
- Designation
- Designation Detail
- Advancement Program
- Proposal
- Donor Entity
- Source Donor

The aggregate stars source the following measures from this operational star:

- Gift Campaign Giving Year
- Gift Campaign Giving Month
- Gift Date of Record
- Gift Receipt Date
- Matching Gift Indicator
- Overall Transaction Amount
- Campaign Transaction Amount
- Hard Credit Amount
- Soft Credit Amount
- Gift Credit2 Amount
- Gift Currency Amount
- Match Gift Amount
- Match Gift Soft Credit Amount
- Non Matched Soft Credit Amount
- Net Present Value Amount

- Total Gift Premium Amount
- Gift Premium Count
- Transaction Count
- Match Gift Count
- Gift Donor Count
- Match Gift Donor Count
- Match Credit Recipient Count
- Hard Credit Donor Count
- Soft Credit Donor Count
- Gift Designation Count
- MG Credit Group Identifier
- Pledge Group Identifier

Gift Society

The Gift Society star provides information about all Gift Societies to which a constituent (donor) has been assigned based on levels of giving. This is referred to as Gift Clubs in Advance.

Click the star icon  to open the star's entity relationship diagram (ERD).

You can use this information to analyze the measures in this star using attributes from any of the following dimension tables:

- Gift Society
- Gift Society Premium
- Gift Society Year
- Entity
- Unit

The aggregate stars source the following measures and indicators from this operational star:

From Gift Society fact:

- Gift Society Count
- Gift Society Expiration Date Partial

- Gift Society Joint Indicator
- Gift Society Priority Number
- Gift Society Qualify Date
- Gift Society Record Count
- Gift Society Start Date Partial
- Gift Society Type Priority Number
- Lifetime Gift Society Indicator

From Gift Society Premium fact:

- Gift Society Premium Cost
- Gift Society Premium Date
- Gift Society Premium Value

Giving Code (Advance Only)

The Giving Code operational star includes giving code measures such as giving date, amount, transaction number, and transaction sequence number.

Click the star icon  to open the star's entity relationship diagram (ERD).

You can analyze the measures in this star using attributes from any of the following dimension tables:


- Multi-Source
- Giving Code
- Giving Code Detail

The aggregate stars source the following measures from this operational star:

- Giving Code Date
- Giving Code Amount

Matching Claim

The Matching Claim operational star includes measures such as matching companies, donors matched, claim amounts, gift date, receipt date, status date, and match form received date, as well as counts for matching claims, active matching claims, and designations.

Click the star icon  to open the star's entity relationship diagram (ERD).

You can use this information to analyze the measures in this star using attributes from any of the following dimension tables:

- Multi-Source
- Year of Giving
- Matching Claim
- Matching Claim Detail
- Giving Attribute
- Campaign
- Reunion Campaign
- Designation
- Designation Detail
- Advancement Program
- Constituent Entity Type
- Class and School
- Advancement Appeal
- Fundraising Initiative
- Proposal
- Donor Matched
- Matching Company Entity

The aggregate stars source the following measures from this operational star:

- Overall Transaction Amount
- Match Claim Amount
- Gift Date of Record
- Gift Receipt Date

- Match Claim Form Received Date
- Match Claim Status Date
- Matching Claim Count
- Active Matching Claim Count
- Designation Count

Membership

The Membership star provides information about all memberships for which a constituent has been a member, including associated membership interests (Banner) and membership club (Advance) details, as applicable.

Click the star icon  to open the star's entity relationship diagram (ERD).

You can use this information to analyze the measures in this star using attributes from any of the following dimension tables:

- Membership
- Membership Interest
- Membership Club

The aggregate stars source the following measures and indicators from this operational star:

- Active Member Indicator
- Current Member Indicator
- Expired Member Indicator
- Lifetime Member Indicator
- Member Comment
- Member Number
- Member Previous Number
- Member Start Date
- Member Stop Date
- Membership Count
- New Member Indicator

Pledge

The Pledge star includes pledge measures for donors, source donors, date pledged and receipt date, overall transaction amount and overall pledge balance, campaign transaction amounts, hard and soft credit amounts, pledges in foreign currency, amount of pledge paid, anticipated match amounts, pledge giving year for campaign, and pledge premium amounts. Various counts exist for pledge premiums, pledge donors, hard credit and soft credit donors, transactions counts and designation counts.

Click the star icon  to open the star's entity relationship diagram (ERD).

You can analyze the measures in this star using attributes from any of the following dimension tables:

- Multi-Source
- Pledge
- Pledge Detail
- Year of Giving
- Gift Reporting Indicator
- Giving Attributes
- Campaign
- Reunion Campaign
- Designation
- Designation Detail
- Advancement Program
- Constituent Entity Type
- Class and School
- Advancement Appeal
- Fundraising Initiative
- Proposal
- Donor Entity
- Source Donor Entity
- Reminder Address Type

The aggregate stars source the following measures from this operational star:

- Pledge Campaign Giving Year
- Pledge Campaign Giving Month
- Pledge Date of Record
- Pledge Receipt Date
- Pledge Written Off Date
- Overall Transaction Amount
- Overall Pledge Balance
- Campaign Transaction Amount
- Hard Credit Amount
- Soft Credit Amount
- Pledge Currency Amount
- Pledge Amount Paid
- Pledge Balance
- Anticipated Match Amount
- Total Pledge Premium Amount
- Pledge Premium Count
- Pledge Donor Count
- Hard Credit Donor Count
- Soft Credit Donor Count
- Transaction Count
- Pledge Designation Count
- Pledge Group Identifier

Program Prospect (Advance Only)

The Program Prospect star includes measures for the number of prospects in a program, active prospects in a program, rated prospects, major prospects, program start and stop dates, rated amount, result amount, target date, and clearance start and stop dates.

Click the star icon  to open the star's entity relationship diagram (ERD).

You can analyze the measures in this star using attributes from any of the following dimension tables:


- Multi-Source
- Prospect
- Program Prospect Attribute
- Campaign
- Reunion Campaign
- Advancement Program
- Advancement Year
- Program Prospect Unit
- Program Prospect Stage
- Program Prospect Shared Attribute

The aggregate stars source the following measures from this operational star:

- Program Prospect Count
- Active Program Prospect Count
- Rated Prospect Count
- Major Prospect Count
- Program Prospect Count
- Program Prospect Start Date
- Program Prospect Stop Date
- Program Prospect Rated Amount
- Program Prospect Result Amount
- Program Prospect Result Date
- Program Prospect Target Date
- Clearance Start Date
- Clearance Stop Date
- Program Prospect Assigned Indicator
- Prospect Program Year ID

Program Prospect Stage (Advance Only)

The Program Prospect Stage star includes measures for the start and end date of each stage and identifies the latest stage.

Click the star icon  to open the star's entity relationship diagram (ERD).

You can analyze the measures in this star using attributes from any of the following dimension tables:


- Multi-Source
- Program Prospect Stage
- Prospect
- Advancement Program
- Advancement Program Year

The aggregate stars source the following measures from this operational star:

- Program Prospect Stage Start Date
- Program Prospect Stage End Date
- Latest Program Prospect Stage Indicator
- Stage ID
- Prospect Program Year ID

Proposal

The Proposal star includes measures counting proposals granted, proposals assigned, if the proposal was granted or assigned, if an ask was made, proposal start and stop dates, total of all result amounts, pledge amounts, gift amounts, pledge payment amounts, the actual proposal ask amount, last ask amount, last ask date, targeted amounts, and granted amounts.

Click the star icon  to open the star's entity relationship diagram (ERD).

You can analyze the measures in this star using attributes from any of the following dimension tables:

- Multi-Source
- Proposal
- Proposal Unit

- Proposal Attribute
- Proposal Campaign
- Proposal Stage
- Prospect

The aggregate stars source the following measures from this operational star:

- Proposal Granted Count
- Proposal Assigned Count
- Proposal Granted Indicator
- Proposal Assigned Indicator
- Proposal Ask Made Indicator
- Proposal Start Date
- Proposal Stop Date
- First Proposal Result Date
- Proposal Count
- Active Proposal Count
- Proposal Total Result Amount
- Proposal Pledge Result Amount
- Proposal Gift Result Amount
- Proposal Pledge Payment Result Amount
- Proposal Original Ask Amount
- Proposal Ask Amount
- Latest Proposal Ask Amount
- Latest Proposal Ask Date
- Proposal Target Amount
- Proposal Granted Amount
- Proposal Initial Contribution Amount
- Proposal Initial Contribution Date
- Proposal Target Date
- Proposal Duration

Proposal Purpose

The Proposal Purpose star includes measures counting proposal purposes, how many were granted and how many are active, start and end dates, if an ask was made, actual ask amount, last ask amount, last ask date, target ask date, original ask, targeted amounts, and granted amounts.

Click the star icon  to open the star's entity relationship diagram (ERD).

You can analyze the measures in this star using attributes from any of the following dimension tables:

- Multi-Source
- Fundraising Initiative
- Proposal
- Proposal Unit
- Proposal Purpose
- Advancement Program
- Advancement Program Year
- Designation
- Designation Detail
- Proposal Purpose Stage
- Prospect

The aggregate stars source the following measures from this operational star:

- Proposal Purpose Granted Count
- Proposal Purpose Count
- Proposal Purpose Granted Indicator
- Proposal Purpose Ask Made Indicator
- Proposal Purpose Ask Amount
- Proposal Purpose Latest Ask
- Proposal Purpose Latest Ask Date
- Proposal Purpose Original Ask
- Proposal Purpose Granted Amount
- Proposal Purpose Target Amount

- Proposal Purpose Target Date
- Proposal Purpose Active Indicator
- Proposal Purpose Start Date
- Proposal Purpose End Date

Proposal Purpose Result (Banner Advancement Only)

The Proposal Purpose Result star includes proposal measures to determine the first result, last result, the result date, and result amount.

Click the star icon  to open the star's entity relationship diagram (ERD).

You can analyze the measures in this star using attributes from any of the following dimension tables:


- Multi-Source
- Prospect
- Proposal
- Fundraising Initiative
- Entity

The aggregate stars source the following measures from this operational star:

- First Proposal Purpose Result Indicator
- Last Proposal Purpose Result Indicator
- Proposal Purpose Result Date
- Proposal Purpose Result Amount

Proposal Purpose Stage (Banner Advancement Only)

The Proposal Purpose Stage star includes measures for the start and end date of each stage and identifies the latest stage. The WFT_PROPOSAL_PURPOSE_STAGE table is loaded with only the latest proposal purpose stage.

Click the star icon  to open the star's entity relationship diagram (ERD).

You can analyze the measures in this star using attributes from any of the following dimension tables:

- Multi-Source
- Prospect
- Proposal
- Fundraising Initiative
- Proposal Purpose
- Proposal Purpose Stage

The aggregate stars source the following measures from this operational star:

- Proposal Purpose Stage Start Date
- Proposal Purpose Stage End Date
- Latest Proposal Purpose Stage Indicator

Proposal Stage

The Proposal Stage star includes measures for the start and end date of each stage and unidentified the latest stage. The WFT_PROPOSAL_STAGE table is loaded with only the latest proposal stage.

Click the star icon  to open the star's entity relationship diagram (ERD).

You can analyze the measures in this star using attributes from any of the following dimension tables:


- Multi-Source
- Proposal Stage
- Proposal
- Prospect

The aggregate stars source the following measures from this operational star:

- Proposal Stage Start Date
- Proposal Stage End Date
- Latest Proposal Stage Indicator
- Stage ID

Prospect

The Prospect star includes measures counting prospects, how many prospects are active, rated, major, or planned giving, start and end dates, rated amount, result amount, rated entry date, result date, target date and if the prospect has assigned staff.

Click the star icon  to open the star's entity relationship diagram (ERD).

You can analyze the measures in this star using attributes from any of the following dimension tables:

- Multi-Source
- Proposal Stage
- Proposal
- Prospect
- Prospect Attribute
- Prospect Shared Attribute
- Prospect Campaign
- Prospect Unit


The aggregate stars source the following measures from this operational star:

- Prospect Count
- Active Prospect Count
- Rated Prospect Count
- Major Prospect Count
- Program Prospect Count
- Prospect Start Date
- Prospect Stop Date
- Prospect Rated Amount
- Prospect Result Amount
- Prospect Rate Entry Date
- Prospect Result Date
- Prospect Target Date

- Prospect Assigned Indicator
- Prospect Program Year ID

Prospect Category (Advance Only)

The Prospect Category star includes measures for prospect categories, programs and years.

Click the star icon  to open the star's entity relationship diagram (ERD).


You can analyze the measures in this star using attributes from any of the following dimension tables:

- Multi-Source
- Prospect Category
- Prospect
- Advancement Program
- Advancement Program Year

The Prospect Program ID measure is included in this star.

Prospect Entity

The Prospect Entity star includes information about the prospect.

Click the star icon  to open the star's entity relationship diagram (ERD).

You can analyze the measures in this star using attributes from any of the following dimension tables:

- Multi-Source
- Prospect
- Entity

The items on the fact table for this star are the Primary Prospect Indicator and the Prospect Program Year ID. These items identify and permit you to report only primary prospects by year.

The Primary Indicator measure is included in this star.

Prospect Interest

The Prospect Interest star includes measures for target amount, target date, status date, if the prospect interest is active, total of all ask amounts, the last ask amount, the last ask date and start and end dates.

Click the star icon  to open the star's entity relationship diagram (ERD).

You can analyze the measures in this star using attributes from any of the following dimension tables:

- Multi-Source
- Fundraising Initiative
- Prospect Interest Stage
- Prospect Interest Unit
- Prospect Category
- Prospect
- Advancement Program
- Advancement Program Year
- Entity

The aggregate stars source the following measures from this operational star:

- Prospect Interest Target Amount
- Prospect Interest Target Date
- Prospect Interest Status Date
- Prospect Interest Active Indicator
- Prospect Interest Ask Amount
- Prospect Interest Latest Ask
- Prospect Interest Latest Ask Date
- Prospect Interest Start Date
- Prospect Interest End Date
- Prospect Interest ID
- Prospect Program Year ID

Prospect Stage

The Prospect Stage star provides measures for the start and end date of each stage and identifies the latest stage. For Banner, the WFT_PROSPECT_STAGE table is loaded with only the latest prospect stage.

Click the star icon  to open the star's entity relationship diagram (ERD).

You can analyze the measures in this star using attributes from any of the following dimension tables:


- Multi-Source
- Prospect Stage
- Prospect

The aggregate stars source the following measures from this operational star:

- Prospect Stage End Date
- Latest Prospect Stage Indicator
- Stage ID
- Prospect Program Year ID

Relationship

The Relationship star includes relationship measures for the constituent and its relationships.

Click the star icon  to open the star's entity relationship diagram (ERD).

You can analyze the measures in this star using attributes from any of the following dimension tables:

- Multi-Source
- Relationship
- Entity
- Related Entity

The aggregate stars source the following measures and indicators from this operational star:

- Child Count
- Child Sequence Number
- Combined Spouse Priority
- Current Spouse Indicator
- Marriage Change Date
- Marriage Change Date Partial
- Marriage Date
- Marriage Date Partial
- Relation Count
- Relation Entity Indicator
- Spouse Group Identifier



3 Snapshot Stars



The star schema data models described in this section are referred to as “snapshot stars” because they offer you the ability to capture data at a point in time. Using these stars you can create static snapshots of the data at various points in time.


Each of the snapshot stars includes an event dimension, which allows you to capture data at a specified point in time. In essence, the event dimension lets you assign a shared label (or business purpose) to all data captured at the same time. You can access the report and compare data across time dimensions using the data that was saved from the related snapshots.



For example, you might save a snapshot of the Course Registration star on the first day of registration, the last day to drop or add classes, and when registration has closed. This gives you the ability to compare registration numbers across these three different time-based event dimensions.







Snapshot stars — At a glance





The following table lists all of the snapshot stars included in the Banner EDW and identifies key information about each star. Use this table as a reference and refer to later sections of this book for more details about each snapshot star.

Star ERD - Click the star icon  associated with a star to open that star’s entity relationship diagram (ERD).

Star Name	Star ERD	Freeze Fact Table	Fact Table granularity	Related Banner Table
“Academic Program Course”		WFT_ACADEMIC_PROGRAM_COURSE	Person UID, Academic Period, Curriculum	SFBETRM/ SFRSTCR and SORLCUR/ SORLFOS
“Advancement Gift”		WFT_ADVANCEMENT_GIFT	Time, Constituent, Demographic, Gift, Pledge, Designation, Campaign, Entity UID, Gift Number, Pledge Number	AGBGIFT

Star Name	Star ERD	Freeze Fact Table	Fact Table granularity	Related Banner Table
“Course Registration”		WFT_COURSE_ REGISTRATION	Person UID, Academic Period	SFBETRM/ SFRSTCR
“Employee”		WFT_EMPLOYEE	Time, Administration, Demographic, Employee, Person UID	PEBEMPL
“Employee Degree”		WFT_EMPLOYEE_DEGREE	Time, Employee, Administration, Demographic, Institution, Post Secondary School, Person UID	SORDEGR/ SORMAJR
“Employee Position”		WFT_EMPLOYEE_POSITION	Time, Position, Job, Administration, Employee, Demographic, Person UID	NBRJOBS
“Employment Application”		WFT_EMPLOYMENT_ APPLICATION	Time, HR Requisition, HR Applicant, HR Applicant Status, Position, Administration, Employment History, Post Secondary Institution, Post Secondary School, Secondary School Institution, Secondary School, Demographic, Person UID, Requisition Number	NBRAPPL
“Enrollment”		WFT_ENROLLMENT	Person UID, Academic Period	SFBETRM/ SFRSTCR

Star Name	Star ERD	Freeze Fact Table	Fact Table granularity	Related Banner Table
<u>“Financial Aid Pre-Student”</u>		WFT_FINANCIAL_AID_ PRE_STUDENT	Time, Financial Aid Fund, Demographic, Pre Student Status, Financial Aid Status, Person UID	RORSTAT/ RCRAPPx SARADAP/ SRBRECR
<u>“Financial Aid Student”</u>		WFT_FINANCIAL_AID_ STUDENT	Time, Financial Aid Fund, Demographic, Financial Aid Status, Person UID, Student	RORSTAT/ RCRAPPx SGBSTDN/ SFBETRM/ SFRSTCR
<u>“General Ledger”</u>		WFT_GENERAL_LEDGER	Time, Chart, Fund, Account	FGBGENL FGBTRNH// FGBTRND
<u>“Graduation Completion”</u>		WFT_GRADUATION_ COMPLETION	Time, Student, Graduation, Demographic, Academic Study, Person UID, Outcome Number	SHRDGMR
<u>“Grant and Project”</u>		WFT_GRANT_AND_PROJECT	Time, Grant Type, Grant Demographic, Chart, Fund, Organization, Account, Program, Grant ID	FRRGRNL/ FRBGRNT FGBTRNH// FGBTRND
<u>“Operating Ledger”</u>		WFT_OPERATNG_LEDGER	Time, Chart, Fund, Organization, Account, Program	FGBGENL FGBTRNH// FGBTRND
<u>“Receivable Customer”</u>		WFT_RECEIVABLE_ CUSTOMER	Time, Accounts Receivable, Academic Study, Customer, Customer UID	TBBACCT/ TBRACCT/ TBRACCD SORLCUR/ SORLFOS

Star Name	Star ERD	Freeze Fact Table	Fact Table granularity	Related Banner Table
“Receivable Revenue”		WFT_RECEIVABLE_ REVENUT	Time, Accounts Receivable, Chart, Fund, Organization, Account, Program	TBBACCT/ TBRACCT/ TBRACCD
“Recruiting and Admission”		WFT_RECRUITING_AND_ ADMISSION	Time, Pre Student, Student Application, Student, Academic Study, Demographic, Post Secondary Institution, Post Secondary School, Pre Student Status, Financial Aid Status, Employment History, Cohort, Contact, Postal, Person UID	SARADAP/ SRBRECR

Academic Program Course

Use the Academic Program Course star schema to review trends in course registration across attributes like program and major for students registering for those courses.

Click the star icon  to open the star’s entity relationship diagram (ERD).

You can analyze the number of students and courses using attributes from any of the following dimension tables:

- Multi-Source (if applicable)
- Time (calendar year and event)
- Demographic (race, gender, and so on)
- Academic Program
- Registration
- Enrollment status
- Course

- Major
- Major Group
- Minor
- Minor Group
- Concentration
- Concentration Group
- Instructor

The following measure is included in this star:


- Age

The granularity of this star includes the following keys:

- Time
- Person
- Demographic
- Academic Program
- Major Group
- Minor Group
- Concentration Group
- Course
- Registration
- Enrollment Status
- Instructor
- Course Reference Number
- Curriculum Priority Number

Advancement Gift

Use the Advancement Gift star schema to understand the trends in giving, and to better manage donor acquisition and retention.

Click the star icon  to open the star's entity relationship diagram (ERD).

You can analyze the measures in this star using attributes from any of the following dimension tables:

- Multi-Source (if applicable)
- Time (calendar year and event)
- Demographic (race, gender, and so on)
- Constituent Information (class year and college)
- Gift (type and source of gift)
- Pledge (type, vehicle, and amount)
- Designation/Fund information (purpose)
- Campaign

The following measures are included in this star:

- Age
- Gift Amount
- Auxiliary Actual Value
- Auxiliary Value
- Original Pledge Amount
- Outstanding Pledge Amount


The granularity of this star includes the following keys:

- Time
- Constituent
- Demographic
- Gift
- Gift Detail
- Giving Attribute

- Pledge
- Pledge Detail
- Pledge Range
- Designation
- Designation Detail
- Campaign
- Entity
- Gift Number
- Pledge Number

Course Registration

Use the Course Registration star schema to understand the trends in course registration, and to plan for the courses that meet your needs.

Click the star icon  to open the star's entity relationship diagram (ERD).

You can analyze credits generated, credits attempted, credits earned, GPA credits, quality points, credits passed, and total number of students using attributes from any of the following dimension tables:

- Multi-Source (if applicable)
- Time (academic year, academic period, and sub-academic period)
- Demographic (race, gender, and so on)
- Course (course level, course campus, and course department)
- Registration
- Enrollment Status
- Academic Study
- Student (residency, classification, and campus)
- Instructor

The following measures are included in this star:

- Seats Count
- Credits Generated


- GPA
- Credits Attempted
- Credits Earned
- Credits Passed
- Average Credits Generated
- Average GPA
- Average Credits Attempted
- Average Credits Earned
- Average Credits Passed

The granularity of this star includes the following keys:

- Time
- Demographic
- Course
- Registration
- Enrollment Status
- Academic Study
- Student
- Instructor
- Person
- Course Reference Number

Employee

Use the Employee star schema to understand the trends in the compensation and expense structure for employees, and to better manage the cost infrastructure of the institutional staff.

Click the star icon  to open the star's entity relationship diagram (ERD).

You can analyze the number of salaried employee and hourly employee FTE, year-to-date earnings, compensation, deductions, encumbrances, and years of service using attributes from any of the following dimension tables:

- Multi-Source (if applicable)
- Time (fiscal year, calendar year, and event)
- Demographic (race, gender, and so on)
- Administration (employer, division, department, and chart of accounts)
- Employee (years of service, salary, type, and group of employee)

The following measures are included in this star:

- Age
- Years of Service
- Annual Salary
- Hourly Full-time Equivalent
- Salaried Full-time Equivalent
- Total Earnings
- Regular Earnings
- Time Earnings
- Other Earnings
- Employer Deduction Amount
- Employee Deduction Amount
- Year-to-date Total Earnings
- Year-to-date Regular Earnings
- Year-to-date Overtime Earnings
- Year-to-date Other Earnings
- Year-to-date Employer Deduction Amount
- Year-to-date Employee Deduction Amount
- Encumbrance Amount
- Leave Benefits Amount


The granularity of this star includes the following keys:

- Time
- Administration
- Demographic

- Employee
- Person

Employee Degree

Use the Employee Degree star schema to understand the trends in faculty degrees and majors, to better manage the educational qualifications of your faculty, and to support the institutional profile goals for faculty.

Click the star icon  to open the star's entity relationship diagram (ERD).

You can analyze the number of degrees and majors earned by employees using attributes from any of the following dimension tables:

- Multi-Source (if applicable)
- Time (fiscal year, calendar year, and event)
- Demographic (race, gender, and so on)
- Employee (years of service, salary, type, and group of employee)
- Administration (employer, division, department, and chart of accounts)
- Institution
- Post Secondary School (post secondary degree and major)

The following measures are included in this star:


- Age
- Final Degree Indicator

The granularity of this star includes the following keys:

- Time
- Administration
- Demographic
- Employee
- Person
- Institution
- Post Secondary School

Employee Position

Use the Employee Position star schema to understand the trends in appointing employees, to better manage staff recruitment, retention and attrition, and to support a desired staff profile.

Click the star icon  to open the star's entity relationship diagram (ERD).

You can analyze the number of years on the job, number of hourly and salaried FTE (Full-time Equivalent), year-to-date earnings, deductions, and encumbrances using attributes from any of the following dimension tables:

- Multi-Source (if applicable)
- Time (fiscal year, calendar year, and event)
- Demographic (race, gender, and so on)
- Position (status, contract type, position classification, and EEO skill)
- Job
- Administration (employer, division, department, and chart of accounts)
- Employee Data (years of service, salary, type, and group of employee)

The following measures are included in this star:

- Age
- Years of Service
- Annual Salary
- Hourly Full-time Equivalent
- Salaried Full-time Equivalent
- Total Earnings
- Regular Earnings
- Overtime Earnings
- Other Earnings
- Employer Deduction Amount
- Employee Deduction Amount
- Year-to-date Total Earnings
- Year-to-date Regular Earnings

- Year-to-date Overtime Earnings
- Year-to-date Other Earnings
- Year-to-date Employer Deduction Amount
- Year-to-date Employee Deduction Amount
- Encumbrance Amount

The granularity of this star includes the following keys:

- Time
- Demographic
- Administration
- Position
- Job
- Employee
- Person

Employment Application

Use the Employment Application star schema to understand the trends in position applications, to better manage the type of effort it takes to hire a new employee, and for better analysis of the impact of turnover.

Click the star icon  to open the star's entity relationship diagram (ERD).

You can analyze previous months of service, previous salary, and desired salary using attributes from any of the following dimension tables:

- Multi-Source (if applicable)
- Time (fiscal year, calendar year, and event)
- Demographic (race, gender, and so on)
- HR Requisition
- HR Applicant
- HR Applicant Status
- Position (status, contract type, position classification, and EEO skill)
- Administration (employer, division, department, and chart of accounts)

- Employment History
- Post Secondary Institution
- Post Secondary School
- Secondary School Institution
- Secondary School

The following measures are included in this star:

- Age
- Previous Months of Service
- Previous Yearly Salary
- Desired Hourly Salary
- Desired Yearly Salary
- Final Degree Indicator

The granularity of this star includes the following keys:

- Time
- Demographic
- Person
- Position
- Employment History
- Post Secondary (PS) Institution
- Post Secondary School
- Secondary School (SS) Institution
- Secondary School
- Administration
- HR Requisition
- HR Applicant
- HR Applicant Status
- Requisition

Enrollment

Use the Enrollment star schema to understand the trends in enrollment and to support the institution's retention planning.

Click the star icon  to open the star's entity relationship diagram (ERD).

You can analyze the generated credits, FTE (Full time Equivalent), academic period credits attempted and earned, tuition charges, financial aid amounts, enrolled counts, and registered counts using any of the following dimension tables:

- Multi-Source (if applicable)
- Time (academic period and academic year)
- Demographic (race, gender, and so on)
- Student (residency, classification, and campus)
- Enrollment Status
- Academic Study (program, degree, college, major, and department)

The following measures are included in this star:

- Age
- Total Credits Generated
- Total Billing
- Total Contact Hours
- Full-time Equivalent Numerator
- Full-time Equivalent Denominator
- Tuition Charges
- Financial Aid Amount
- Total CEU
- Total CEU Billing
- Inst Academic Period Credits Attempt
- Inst Academic Period Credits Earned
- Inst Academic Period GPA Credits
- Inst Academic Period Quality Points
- Inst Academic Period Credits


- Student Level Credits Attempt
- Student Level Credits Earned
- Student Level GPA Credits
- Student Level Quality Points
- Student Level Period Credits
- Inst Level Credits Attempt
- Inst Level Credits Earned
- Inst Level GPA Credits
- Inst Level Quality Points
- Inst Level Period Credits

The granularity of this star includes the following keys:

- Time
- Enrollment Status
- Academic Study
- Demographic
- Student
- Person

Financial Aid Pre-Student

Use the Financial Aid Pre-Student star schema to understand the trends in pre-student acceptance and enrollment based on how financial aid amounts are allocated.

Click the star icon  to open the star's entity relationship diagram (ERD).

You can analyze the number of applicants who are aid recipients, and the award amounts offered, accepted, declined, cancelled, and paid using any of the following dimension tables:

- Multi-Source (if applicable)
- Time (academic period, academic year, aid year, and aid period)
- Demographic (race, gender, and so on)
- Financial Aid Fund

- Pre-Student Status (inquired, applied, accepted, and enrolled)
- Financial Aid Status (For example, offered, accepted, and declined)

The following measures are included in this star:


- Age
- Family Income
- Award Authorized Amount
- Award Offered Amount
- Award Accepted Amount
- Award Declined Amount
- Award Canceled Amount
- Award Paid Amount

The granularity of this star includes the following keys:

- Time
- Financial Aid Fund
- Demographic
- Pre Student Status
- Financial Aid Status
- Person

Financial Aid Student

Use the Financial Aid Student star schema to understand the trends in packaging financial aid awards and to support improved allocation of financial aid amounts.

Click the star icon  to open the star's entity relationship diagram (ERD).

You can analyze the family income, number of aid recipients, and the award amounts offered, accepted, declined, cancelled, and paid using any of the following dimension tables:

- Multi-Source (if applicable)
- Time (academic period, academic year, aid year, and aid period)
- Demographic (race, gender, and so on)

- Student
- Financial Aid Fund
- Academic Study (program, degree, college, major, and department)
- Enrollment Status

The following measures are included in this star:


- Age
- Family Income
- Award Authorized Amount
- Award Offered Amount
- Award Accepted Amount
- Award Declined Amount
- Award Canceled Amount
- Award Paid Amount

The granularity of this star includes the following keys:

- Time
- Person
- Demographic
- Financial Aid Fund
- Student
- Enrollment Status
- Academic Study

General Ledger

Use the General Ledger star schema to understand trends in the general ledger activity and to better manage the overall financial health of the institution.

Click the star icon  to open the star's entity relationship diagram (ERD).

You can analyze current year, year to date, calendar period debits and credits, and beginning and ending balances using any of the following dimension tables:

- Multi-Source (if applicable)
- Time (fiscal year and calendar year)
- Chart
- Fund (type, level, and pool)
- Account (type, level, and pool)

The following measures are included in this star:


- Current Year Debits
- Current Year Credits
- Current Year Activity
- Current Period Debits
- Current Period Credits
- Current Period Activity
- Year-to-date Debits
- Year-to-date Credits
- Year-to-date Activity
- Beginning Balance
- Ending Balance

The granularity of this star includes the following keys:

- Time
- Chart
- Fund
- Account

Graduation Completion

Use the Graduation Completion star schema to understand graduation trends, and to monitor and improve graduation rates.

Click the star icon  to open the star's entity relationship diagram (ERD).

You can analyze, credits attempted, credits earned, credits passed, GPA credits, quality points, and the number of academic periods using any of the following dimension tables:

- Multi-Source (if applicable)
- Time (academic period and academic year)
- Demographic (race, gender, and so on)
- Student
- Graduation
- Academic Study (program, degree, college, major, and department)

The following measures are included in this star:


- Age
- Active Academic Periods
- Credits Attempted
- Credits Earned
- GPA Credits
- Quality Points
- Credits Passed

The granularity of this star includes the following keys:

- Time
- Student
- Graduation
- Demographic
- Academic Study
- Person
- Outcome Number

Grant and Project

Use the Grant and Project star schema to understand trends in grants and other sponsored research projects, and to better understand and manage research funding and spending.

Click the star icon  to open the star's entity relationship diagram (ERD).

You can analyze the budget, direct expenditures, matching costs, indirect costs, direct revenue, reservations, encumbrances, original and adjusted budgets for year-to-date, current period-to-date, and life-to-date using any of the following dimension tables:

- Multi-Source (if applicable)
- Time (fiscal year and calendar year)
- Grant Type (organization, principle investigator, agency, and type of grant)
- Chart
- Fund (type, level, and pool)
- Organization (level and pool)
- Account (type, level, and pool)
- Program (level)

The following measures are included in this star:

- Life-to-date Budget Total
- Life-to-date Direct Expend
- Life-to-date Matching Costs
- Life-to-date Indirect Costs
- Life-to-date Memo Costs
- Life-to-date Direct Revenue
- Life-to-date Activity
- Life-to-date Reservations
- Life-to-date Encumbrances
- Fiscal Year Adopted Budget
- Fiscal Year Budget Adjust
- Fiscal Year Total Budget
- Year-to-date Budget Total


- Year-to-date Direct Expend
- Year-to-date Matching Costs
- Year-to-date Indirect Costs
- Year-to-date Memo Costs
- Year-to-date Direct Revenue
- Year-to-date Activity
- Year-to-date Reservations
- Year-to-date Encumbrances
- Current Period Adopted Budget
- Current Period Budget Adjust
- Current Period Direct Expend
- Current Period Matching Costs
- Current Period Indirect Costs
- Current Period Memo Costs
- Current Period Direct Revenue
- Current Period Activity
- Current Period Reservations
- Current Period Encumbrances

The granularity of this star includes the following keys:

- Time
- Grant Type
- Grant
- Demographic
- Chart
- Fund
- Organization
- Account
- Program
- Grant ID

Operating Ledger

Use the Operating Ledger star schema to understand trends in operating expenses and revenue to help you better plan and forecast.

Click the star icon  to open the star's entity relationship diagram (ERD).

You can analyze calendar budget information, quarterly, calendar, and current period budgeted, actual, and reservations using any of the following dimension tables:

- Multi-Source (if applicable)
- Time (fiscal year and calendar year)
- Chart
- Fund (type, level, and pool)
- Organization (level and pool)
- Account (type, level, and pool)
- Program (level)

The following measures are included in this star:

- Fiscal Year Adopted Budget
- Fiscal Year Budget Adjust
- Fiscal Year Total Budget
- Current Year-to-date Adopted Budget
- Current Year-to-date Budget Adjust
- Current Year-to-date Reservations
- Current Year-to-date Encumbrances
- Current Year-to-date Activity
- Current Year-to-date Remaining Balance
- Qtr to Date Budget Adjust
- Qtr to Date Reservations
- Qtr to Date Encumbrances
- Qtr to Date Activity
- Current Period Adopted Budget
- Current Period Budget Adjust

- Current Period Reservations
- Current Period Encumbrances
- Current Period Activity

The granularity of this star includes the following keys:

- Time
- Chart
- Fund
- Organization
- Account
- Program

Receivable Customer

Use the Receivable Customer star schema to understand trends in customers' accounts receivables and to better manage the cash flow of the institution.

Click the star icon  to open the star's entity relationship diagram (ERD).

You can analyze customers' balances and amounts due using any of the following dimension tables:

- Multi-Source (if applicable)
- Time (fiscal year and calendar year)
- Accounts Receivable (detail, category, bill, or effective date aging)
- Academic Study (program, degree, college, major, and department)
- Customer (delinquency or collections)

The following measures are included in this star:

- Balance
- Amount Due


The granularity of this star includes the following keys:

- Time
- Accounts Receivable

- Academic Study
- Customer

Receivable Revenue

Use the Receivable Revenue star schema to understand trends in the receivable accounts and to better manage the cash flow within the different ledger accounts.

Click the star icon  to open the star's entity relationship diagram (ERD).

You can analyze receivable amounts due and balances using any of the following dimension tables:

- Multi-Source (if applicable)
- Time (fiscal year and calendar year)
- Accounts Receivable (detail, category, bill, or effective date aging)
- Chart
- Fund (type, level, and pool)
- Organization (level and pool)
- Account (type, level, and pool)
- Program (level)

The following measures are included in this star:


- Balance
- Amount Due

The granularity of this star includes the following keys:

- Time
- Accounts Receivable
- Chart
- Fund
- Organization
- Account
- Program

Recruiting and Admission

Use the Recruiting and Admission star schema to understand trends in recruiting and admissions, to better manage the enrollment funnel, and to understand trends in financial aid awarding to new students to better manage financial aid funds.

Click the star icon  to open the star's entity relationship diagram (ERD).

You can analyze the number of applications, prospects, applicants, those applying for aid, those who were admitted, and those who enrolled using any of the following dimension tables:

- Multi-Source (if applicable)
- Time (academic period and academic year)
- Demographic (race, gender, and so on)
- Student
- Student Application
- Academic Study (program, degree, college, major, and department)
- Post Secondary (PS) Institution
- Post Secondary School
- Secondary School (SS) Institution
- Secondary School
- Pre-Student Status (indicators to specify inquired, applied, admitted, accepted, tuition deposited, and enrolled)
- Employment History
- Pre-Student (test scores and academic percentile)
- Financial Aid Status
- Cohort
- Contact
- Postal

The following measures are included in this star:

- Age
- Final Degree Indicator

The granularity of this star includes the following keys:

- Time
- Pre-Student
- Student Application
- Student
- Academic Study
- Demographic
- Post Secondary (PS) Institution
- Post Secondary School
- Secondary School (SS) Institution
- Secondary School
- Pre Student Status
- Financial Aid Status
- Employment History
- Cohort
- Contact
- Postal
- Person
- Sequence Number

4 Aggregate Stars



Aggregate stars offer a picture of the data and relationships included in the performance-related Banner EDW business concepts. The aggregate stars use pre-defined keys to relate a central fact table to all of the related dimension tables associated with a single business concept. The relationships are defined to provide the proper cardinality when using the Cognos Analytic components that are part of the performance products. This optimizes the performance of reports run against the aggregate star fact and dimensions by returning information in a reasonable amount of time.

Aggregate fact tables are used as the central table for the business concepts that define a Cognos FM Model. The aggregate fact table combines data from a number of star schema, which have different granularity, to answer a number of specific business questions. Every aggregate fact table has a comparable Snapshot Fact Table, which adds an event that permits you to do analysis and reporting over time for like time events. Each aggregate star has its snapshot version defined to accept events defined through the Event parameter in the Administrative User Interface.


Note

For information about the business concepts used for the definition of these aggregate stars, refer to the *Banner Enterprise Data Warehouse Business Concepts* chapter of the *Banner EDW Handbook*. ■


Aggregate Stars — At a glance





The following table lists all of the aggregate stars included in the Banner EDW and identifies key information about each star. The aggregate stars are delivered as part of baseline Banner EDW. You can use them with Banner EDW alone or in conjunction with the Performance and Cognos analytics products. The Product column identifies which Performance or Cognos analytics product the star supports: **RAP** = Banner Recruiting and Admissions Performance product, **SRP** = Banner Student Retention Performance product. **AAC** = included with Advancement Analytics for Cognos product.

Star ERD - Click the star icon  associated with a star to open that star's entity relationship diagram (ERD)

Use the following table as a reference and refer to later sections of this book for more details about each aggregate star.

Star Name	Star ERD	Product	Aggregate Fact Table	Fact Table granularity	Related Banner Table/Rows
“Admissions Financial Aid Record”		RAP	WAT_ADMISSIONS _FINAID_RECORD	Academic Period, Person UID, Recruit or Application, Record Number	SARADAP/ SRBRECR
“Analyze Fundraising”		AAC	WAT_ANALYZE_FU NDRAISING WFT_GIFT WFT_PLEDGE WFT_MATCHING_C LAIM	Campaign, Campaign Designation, Transaction, Transaction Type, Donor Association	APBCONS or AOBORG and AGRGDES, AGRGMLT, AGRGMMO
“Manage Prospect Pipeline”		AAC	WAT_MANAGE_PRO SPECT_PIPELINE WFT_PROSPECT WFT_PROPOSAL	Banner Source: Prospect, Proposal Advance Source: Prospect, Program Prospect, Proposal	AMRINFO, AMBPROP
“Manage Prospect Pipeline A”		AAC	WAT_MANAGE_PRO SPECT_PIPELINE _A WFT_PROSPECT WFT_PROSPECT_I NTEREST	Prospect, Interest	AMRINFO, AMRPRIN
“Manage Prospect Pipeline B”		AAC	WAT_MANAGE_PRO SPECT_PIPELINE _B WFT_PROSPECT WFT_PROPOSAL WFT_PROPOSAL_P URPOSE	Prospect, Proposal, Proposal Purpose	AMRINFO, AMBPROP, AMRPROP

Star Name	Star ERD	Product	Aggregate Fact Table	Fact Table granularity	Related Banner Table/Rows
“Student Engagement”		SRP	WAT_STUDENT_ENGAGEMENT	Person UID, Academic Period	WAT_STUDENT_PROGRESS plus BRM content
“Student Progress”		SRP	WAT_STUDENT_PROGRESS	Person UID, Academic Period	SGBSTDN/ SOBTERM/ SFRSTCR/ SHRTCKN based on ACADEMIC PERIOD PATTERN and SOBTERM_RE ADM_REQ/ SORLCURR/ SORLFOS primary only

Banner Recruiting and Admissions Performance aggregate star


The following aggregate star is used to create the Cognos FM Model and packages defined for Banner Recruiting and Admissions Performance reporting:

- [“Admissions Financial Aid Record” on page 4-4](#)

The data for the aggregate star is based on operational stars in the warehouse containing data from the Banner Student and Banner Relationship Management products. This aggregate star joins together student-related fact and dimension table relationships to answer a specified set of business questions.

Admissions Financial Aid Record

The Admissions Financial Aid Record aggregate star defines the data relationships required by the PM Impact Of Aid On New Enrollment business concept. This aggregate star puts together data from multiple stars for the purpose of reporting.

Click the star icon  to open the star’s entity relationship diagram (ERD).

The WAT_ADMISSIONS_FINAID_RECORD aggregate table is the central table for this Cognos FM Model. It is based on data from the following fact tables:

- WFT_FINAID_APPLICATION
- WFT_FINAID_AWARD_AID_YEAR
- WFT_FINAID_AWARD_ACAD_PERIOD
- WFT_ADMISSIONS_APPLICATION
- WFT_APPLICATION_ATTRIBUTE
- WFT_APPLICATION_COHORT
- WFT_APPLICATION_DECISION
- WFT_ADMISSIONS_RECRUITMENT
- WFT_RECRUITMENT_ATTRIBUTE
- WFT_RECRUITMENT_COHORT
- WFT_PROSPECTIVE_STUDENT
- WFT_POST_SECONDARY_SCHOOL
- WFT_BANNER_COMMUNICATION
- WFT_CONTACT
- WFT_INSTITUTION

- WFT_RACE
- WFT_TEST

The WAT_ADMISSIONS_FINAID_RECORD aggregate table granularity includes one row per Academic Period and Person UID, where the person has either an Admissions Application (SARADAP) or Admissions Recruitment (SRBRECR) record.

Note

This aggregate star is very large. For this reason, the document includes a definition of this aggregate star but not an illustration. ■

The following relationships exist between the WAT_ADMISSIONS_FINAID_RECORD aggregate table and the dimension tables in the data warehouse used by the related operational stars.

Dimension table	Key join to aggregate table
WDT_MULTI_SOURCE	MULTI_SOURCE_KEY
WDT_FINANCIAL_AID_YEAR	FINANCIAL_AID_YEAR_KEY
WDT_FINANCIAL_AID_PERIOD	FINANCIAL_AID_PERIOD_KEY
WDT_ACADEMIC_TIME	ACADEMIC_TIME_KEY
WDT_PERSON	PERSON_UID
WDT_DEMOGRAPHIC	DEMOGRAPHIC_KEY
WDT_RACE	RACE_GROUP_KEY
WDT_PRE_STUDENT_STATUS	PRE_STUDENT_STATUS_KEY
WDT_FINANCIAL_AID_STATUS	FINANCIAL_AID_STATUS_KEY
WDT_FINANCIAL_AID_BUDGET_GRP	FINANCIAL_AID_BUDGET_GRP_KEY
WDT_FINANCIAL_AID_PACKAGE_GRP	FINANCIAL_AID_PACKAGE_GRP_KEY
WDT_FINACIAL_AID_FUND	FINAID_AWARD_AIDY_GROUP_KEY
WDT_POSTAL	POSTAL_KEY
WDT_GEOGRAPHIC_REGION	GEOGRAPHIC_REGION_KEY
WDT_SS_INSTITUTION	SS_INSTITUTION_KEY
WDT_SECONDARY_SCHOOL	SECONDARY_SCHOOL_KEY

Dimension table	Key join to aggregate table
WDT_POST_SECONDARY_SCHOOL	HIGHEST_DEGREE_PS_INST_KEY
WDT_POST_SECONDARY_SCHOOL	LATEST_DEGREE_PS_SCHOOL_KEY
WDT__APPLICATION_DECISION	LATEST_ADMS_APPL_DECISION_KEY
WDT_ACADEMIC_STUDY	ACADEMIC_STUDY_KEY
WDT_STUDENT	STUDENT_KEY
WDT_TEST	TEST_GROUP_KEY
WDT_COHORT	COHORT_GROUP_KEY
WDT_ATTRIBUTE	ATTRIBUTE_GROUP_KEY
WDT_BANNER_COMMUNICATION	BANNER_COMMUNICATION_GROUP_KEY
WDT_BANNER_COMMUNICATION	FIRST_BANNER_COMMUNICATION_KEY
WDT_BANNER_COMMUNICATION	LAST_BANNER_COMMUNICATION_KEY
WDT_TEST	HIGHEST_SAT_COMBINED_TEST_KEY
WDT_TEST	HIGHEST_ACT_COMPOSITE_TEST_KEY

Banner Student Retention Performance aggregate stars


The following aggregate stars are used to create the IBM Cognos FM Model and packages defined for Banner Student Retention Performance reporting:

- [“Student Engagement” on page 4-7](#)
- [“Student Progress” on page 4-9](#)

The data for the aggregate stars is based on operational stars in the warehouse containing data from the Banner Student and Banner Relationship Management products. These aggregate stars join together the student retention fact and dimension table relationships to answer a specified set of business questions.

Student Engagement

The Student Engagement aggregate star facilitates the data relationships required by the PM Analyze Student Engagement business concept. This aggregate star puts together data from the multiple stars for the purpose of reporting.

Click the star icon  to open the star’s entity relationship diagram (ERD).

The WAT_STUDENT_ENGAGEMENT aggregate table is the central table for this IBM Cognos FM Model. It is based on the data from the following fact tables:

- WFT_ADVISOR
- WFT_ATHLETIC
- WFT_COMMUNICATION
- WFT_CONTACT
- WFT_EM_CAMPAIGN
- WFT_FINAID_APPLICATION
- WFT_FINAID_AWARD_ACAD_PERIOD
- WFT_FINAID_AWARD_AID_YEAR
- WFT_INSTITUTION
- WFT_INTERACTION
- WFT_INTEREST
- WFT_POST_SECONDARY_SCHOOL
- WFT_RACE
- WFT_RETENTION_MULTI_YEAR
- WFT_STUDENT

- WFT_STUDENT_ACTIVITY
- WFT_STUDENT_ATTRIBUTE
- WFT_STUDENT_COHORT
- WFT_TEST

The WAT_STUDENT_ENGAGEMENT aggregate table granularity includes one row per:

- Academic Period
- Person UID



Note

This aggregate star is very large because it represents data for an entire business concept. For this reason, the document includes a definition of this aggregate star but not an illustration. ■


The following relationships exist between the WAT_STUDENT_ENGAGEMENT aggregate table and the dimension tables in the data warehouse used by the related operational stars.

Dimension table	Key join to aggregate table
WDT_ACADEMIC_STUDY	ACADEMIC_STUDY_KEY
WDT_ACADEMIC_TIME	ACADEMIC_TIME_KEY
WDT_CONTACT	CONTACT_KEY
WDT_DEMOGRAPHIC	DEMOGRAPHIC_KEY
WDT_ENROLLMENT_STATUS	ENROLLMENT_STATUS_KEY
WDT_FINANCIAL_AID_STATUS	FINANCIAL_AID_STATUS_KEY
WDT_FINANCIAL_AID_YEAR	FINANCIAL_AID_YEAR_KEY
WDT_GEOGRAPHIC_REGION	GEOGRAPHIC_REGION_KEY
WDT_GRADUATION_MULTI_YEAR	GRADUATION_MULTI_YEAR_KEY
WDT_INSTITUTION	INSTITUTION_KEY
WDT_MULTI_SOURCE	MULTI_SOURCE_KEY
WDT_PERSON	PERSON_UID
WDT_POSTAL	POSTAL_KEY
WDT_PRE_STUDENT_STATUS	PRE_STUDENT_STATUS_KEY

Dimension table	Key join to aggregate table
WDT_RETENTION	RETENTION_KEY
WDT_RETENTION_MULTI_YEAR	RETENTION_MULTI_YEAR_KEY
WDT_RETENTION_TIME	RETENTION_TIME_KEY
WDT_SECONDARY_SCHOOL	SECONDARY_SCHOOL_KEY
WDT_STREET_ADDRESS	STREET_ADDRESS_KEY
WDT_STUDENT	STUDENT_KEY
WDT_STUDENT_PERFORMANCE	STUDENT_PERFORMANCE_KEY
WDT_STUDENT_STATUS	STUDENT_STATUS_KEY

Student Progress

The Student Progress aggregate star defines the data relationships required by the PM Analyze Student Progress business concept. This aggregate star puts together data from multiple stars for the purpose of reporting.

Click the star icon  to open the star's entity relationship diagram (ERD).

The WAT_STUDENT_PROGRESS aggregate table is the central table for this Cognos FM Model. It is based on data from the following fact tables:

- WFT_ACADEMIC_OUTCOME
- WFT_ACADEMIC_OUTCOME_HONOR
- WFT_ADVISOR
- WFT_ATHLETIC
- WFT_BANNER_COMMUNICATION
- WFT_CONTACT
- WFT_COURSE_SECTION
- WFT_FINAID_APPLICATION
- WFT_FINAID_AWARD_ACAD_PERIOD
- WFT_FINAID_AWARD_AID_YEAR
- WFT_INSTITUTION
- WFT_INTEREST
- WFT_POST_SECONDARY_SCHOOL
- WFT_RACE

- WFT_RETENTION_MULTI_YEAR
- WFT_SECONDARY_SCHOOL_SUBJECT
- WFT_STUDENT
- WFT_STUDENT_ACTIVITY
- WFT_STUDENT_ATTRIBUTE
- WFT_STUDENT_COHORT
- WFT_STUDENT_COURSE
- WFT_STUDENT_COURSE_ATTRIBUTE
- WFT_TEST

The WAT_STUDENT_PROGRESS aggregate table granularity includes one row per:

- Academic Period
- Person UID



Note

This aggregate star is very large because it represents data for an entire business concept. For this reason, the document includes a definition of this aggregate star but not an illustration. ■

The following relationships exist between the WAT_STUDENT_PROGRESS aggregate table and the dimension tables in the data warehouse used by the related operational stars.

Dimension table	Key join to aggregate table
WDT_ACADEMIC_STUDY	ACADEMIC_STUDY_KEY
WDT_ACADEMIC_TIME	ACADEMIC_TIME_KEY
WDT_BANNER_COMMUNICATION	BANNER_COMMUNICATION_KEY
WDT_CONTACT	CONTACT_KEY
WDT_DEMOGRAPHIC	DEMOGRAPHIC_KEY
WDT_ENROLLMENT_STATUS	ENROLLMENT_STATUS_KEY
WDT_FINANCIAL_AID_STATUS	FINANCIAL_AID_STATUS_KEY
WDT_FINANCIAL_AID_YEAR	FINANCIAL_AID_YEAR_KEY
WDT_GEOGRAPHIC_REGION	GEOGRAPHIC_REGION_KEY
WDT_GRADUATION_MULTI_YEAR	GRADUATION_MULTI_YEAR_KEY

Dimension table	Key join to aggregate table
WDT_INSTITUTION	INSTITUTION_KEY
WDT_MULTI_SOURCE	MULTI_SOURCE_KEY
WDT_PERSON	PERSON_UID
WDT_POSTAL	POSTAL_KEY
WDT_PRE_STUDENT_STATUS	PRE_STUDENT_STATUS_KEY
WDT_RETENTION	RETENTION_KEY
WDT_RETENTION_MULTI_YEAR	RETENTION_MULTI_YEAR_KEY
WDT_RETENTION_TIME	RETENTION_TIME_KEY
WDT_SECONDARY_SCHOOL	SECONDARY_SCHOOL_KEY
WDT_STREET_ADDRESS	STREET_ADDRESS_KEY
WDT_STUDENT	STUDENT_KEY
WDT_STUDENT_PERFORMANCE	STUDENT_PERFORMANCE_KEY
WDT_STUDENT_STATUS	STUDENT_STATUS_KEY
WDT_TEST	TEST_KEY


Advancement Analytics for Cognos aggregate stars

The following aggregate stars were created for use with the Advancement Analytics for IBM Cognos reporting components. The data for these stars is based on existing content loaded to the warehouse from the Banner Advancement, Banner General or Advance products. These aggregate stars illustrate advancement-related fact and dimension table relationships in the warehouse.

- [“Analyze Fundraising” on page 12](#)
- [“Manage Prospect Pipeline” on page 18](#)
- [“Manage Prospect Pipeline A” on page 22](#)
- [“Manage Prospect Pipeline B” on page 24](#)

Analyze Fundraising

The Analyze Fundraising aggregate star illustrates the data relationships within the Analyze Fundraising Progress business concept.

Click the star icon  to open the star’s entity relationship diagram (ERD).

The WAT_ANALYZE_FUNDRAISING aggregate table is the central table of the Analyze Fundraising aggregate star. It is based on data from the following fact tables:

- WFT_GIFT
- WFT_PLEDGE
- WFT_MATCHING_CLAIM

The WAT_ANALYZE_FUNDRAISING aggregate table granularity includes one row per:

- Campaign
- Campaign Designation
- Transaction (such as gift, pledge, or matching claim)
- Transaction Type (such as pledge, outright gift, pledge payment, matching gift, or matching claim)
- Donor Association (such as primary donor, hard credit recipient, soft credit recipient, or match donor)

Note

This aggregate star is very large because it represents data for an entire business concept. For this reason, the document includes a definition of the star but not an illustration. ■

The following relationships exist between the aggregate table and the dimension tables in the star. The table also gives a definition of each dimension table in the star. The dimension tables use the cleansing rules in the Banner EDW for the short and long descriptions.

Dimension table	Key join to aggregate table
WDT_ADDRESS_TYPE	ADDRESS_TYPE_KEY
Address type dimension table contains the list of address types for addresses and its status and descriptions.	
WDT_ADVANCEMENT_APPEAL	ADVANCEMENT_APPEAL_KEY
Advancement appeal dimension table provides information about advancement appeals.	
WDT_ADVANCEMENT_OFFICE	ADVANCEMENT_OFFICE_KEY
Advancement office dimension table contains a list of advancement offices used in prospect tracking.	
WDT_ADVANCEMENT_PROGRAM	ADVANCEMENT_PROGRAM_KEY
Advancement program dimension table contains a list of programs that may be linked to prospects.	
WDT_ASSIGNMENT	ASSIGNMENT_KEY
Assignment dimension table contains attributes of the staff assigned directly to a prospect or to a prospect through a proposal assignment. Data includes the type of assignment, if the staff is a solicitor and if the assignment is active.	
WDT_CAMPAIGN	CAMPAIGN_KEY
Campaign dimension table identifies:	
<ul style="list-style-type: none"> • All campaigns and common information such as the campaign type • Whether the campaign is active • Whether to include the campaign in giving 	

Dimension table	Key join to aggregate table
<p>WDT_CAMPAIGN_PYRAMID_GOAL</p> <p>Campaign pyramid goal dimension table provides giving transaction based progress toward goal information within a defined campaign pyramid structure. Data includes the campaign (code) in context, giving amount ranges and giving amount and transaction count goals. It is loaded from the Campaign Pyramid parameter mappings in the EDW.</p>	<p>CAMPAIGN_PYRAMID_GOAL_KEY</p>
<p>WDT_CLASS_SCHOOL</p> <p>Class school dimension table contains the preferred class year and school for a constituent.</p>	<p>CLASS_SCHOOL_KEY</p>
<p>WDT_CONSTITUENT_ENTITY_ATTRIB</p> <p>Constituent entity attribute dimension table provides common indicative information about a constituent such as whether they are a donor, whether they have ever been contacted, or have a staff member assigned.</p>	<p>CONSTITUENT_ENTITY_ATTRIB_KEY</p>
<p>WDT_CONSTITUENT_ENTITY_TYPE</p> <p>Constituent entity type dimension table provides donor information about the constituent such as the CFAE, if this is a person or organization, alumni, board member, student, faculty, and so on.</p>	<p>CONSTITUENT_ENTITY_TYPE_KEY</p>
<p>WDT_DEMOGRAPHIC</p> <p>Demographic dimension table provides information for a person. The person can be an employee, inquirer, applicant, student or graduate at the institution. This information includes gender, ethnicity, age range, and family income range.</p>	<p>DEMOGRAPHIC_KEY</p>

Dimension table	Key join to aggregate table
<p>WDT_DESIGNATION</p> <p>Designation dimension table provides information regarding the reasons why a gift was given to the institution. This information includes the intended receiving college, department, campus, division, purpose, and so on.</p>	DESIGNATION_KEY
<p>WDT_DESIGNATION_DETAIL</p> <p>Designation detail dimension table provides information regarding the reasons why a gift was given to the institution. This information includes the type, status, purpose, and so on.</p>	DESIGNATION_DETAIL_KEY
<p>WDT_GIFT</p> <p>Gift dimension table provides common attribute information about outright gifts, pledge payment gifts and matching gifts such as gift types, payment types, gift classification, whether a credit card payment is used, whether the gift was anonymous, a bequest, whether the gift was acknowledged, whether there is a match claim, and information for Council for Aid to Education Voluntary Support of Education (VSE) reporting, and so on.</p>	GIFT_KEY
<p>WDT_GIFT_DETAIL</p> <p>Gift detail dimension table provides gift detail information about outright gifts, pledge payments, matching gifts and matching soft credit such as the gift number, matching gift number, gift check, number, comments, if this is a gift, matching gifting, pledge payment, and so on.</p>	GIFT_DETAIL_KEY
<p>WDT_GIFT_REPORTING_INDICATOR</p> <p>Gift reporting indicators dimension table provides information about various gift indicators such as, total, gift, pledge, match, payment exception, expectancy, life income, outside trust, gift in kind, and so on.</p>	GIFT_REPORTING_INDICATOR_KEY


Dimension table	Key join to aggregate table
<p>WDT_GIVING_ATTRIBUTE</p> <p>Giving attribute dimension table provides gift detail information indicating transaction type and donor association for pledges, pledge soft credit, pledge hard credit, gifts, gift hard credit, gift soft credit, pledge payments, pledge payment soft credit, pledge payment hard credit, matching claims, matching gifts, and matching gift soft credit. Determines gift or pledge, matching gift or matching claim, and associated giving vehicles and special handling.</p>	<p>GIVING_ATTRIBUTE_KEY</p>
<p>WDT_MATCHING_CLAIM</p> <p>Matching claim detail dimension table provides common attribute information about matching claims such as claim status, claim paid status, claim active status, and if claim form was received.</p>	<p>MATCHING_CLAIM_KEY</p>
<p>WDT_MATCHING_CLAIM_DETAIL</p> <p>Matching claim detail dimension table provides attribute information about matching claims such as gift number and gift sequence.</p>	<p>MATCHING_CLAIM_DETAIL_KEY</p>
<p>WDT_PLEDGE</p> <p>Pledge dimension table provides common attribute information about pledges, such as pledge type, pledge status, pledge paid status, electronic funds transfer type, whether pledge is binding or recordable, pledge categories, whether the pledge is active, anonymous, conditional, has been adjusted, to be included in giving, or is and installment, and so on.</p>	<p>PLEDGE_KEY</p>
<p>WDT_PLEDGE_DETAIL</p> <p>Pledge detail dimension table provides common attribute information about pledges such as the pledge number and pledge sequence, batch feed number, and comments.</p>	<p>PLEDGE_DETAIL_KEY</p>

Dimension table	Key join to aggregate table
WDT_POSTAL	POSTAL_KEY
Postal dimension table provides all data that is common to a postal code.	
WDT_PROPOSAL	PROPOSAL_KEY
Proposal dimension table contains descriptions and comments for a proposal.	
WDT_PROSPECT	PROSPECT_KEY
Prospect dimension table identifying information about the prospect such as ID and name.	
WDT_REUNION_CAMPAIGN	REUNION_CAMPAIGN_KEY
Reunion campaign dimension table provides information about campaigns for reunions and the associated type.	
WDT_STAFF	STAFF_KEY
Staff dimension table contains information about the staff assigned to a prospect.	
WDT_STREET_ADDRESS	STREET_ADDRESS_KEY
Street address dimension table contains street information about an address.	
WDT_UNIT	UNIT_KEY
Unit dimension table identifies schools or units and descriptions.	
WDT_YEAR_OF_GIVING	YEAR_OF_GIVING_KEY
Year of giving dimension table provides common attribute information for the fiscal year.	
WDT_MULTI_SOURCE	MULTI_SOURCE_KEY
Multi-source Dimension table provides information on the source(s) of information. This information consists of the multi-source code and its descriptions along with the process group and administrative group.	

Manage Prospect Pipeline

The Manage Prospect Pipeline aggregate star illustrates the data relationships within the Manage Prospect Pipeline business concept. The `WAT_MANAGE_PROSPECT_PIPELINE` aggregate table is the central table of the Manage Prospect Pipeline aggregate star. It is based on data from the following fact tables:

- `WFT_PROSPECT`
- `WFT_PROPOSAL`

Click the star icon  to open the star's entity relationship diagram (ERD).

The `WAT_MANAGE_PROSPECT_PIPELINE` aggregate table granularity includes one row per:

- Prospect
- Proposal

Advance Clients

For Advance clients using program prospect functionality, the `WAT_MANAGE_PROSPECT_PIPELINE` table granularity includes one row per:

- Prospect
- Program Prospect
- Proposal

Example

If a prospect does not have any proposals associated with him, he will still be included in the `WAT_MANAGE_PROSPECT_PIPELINE` aggregate table. For example, if prospect John Williams has no assigned proposals, there will be one row in the aggregate table for John Williams. If prospect Anna Leary has three assigned proposals, there will be three rows in the aggregate table for Anna Leary.

Note

This aggregate star is very large because it represents data for an entire business concept. For this reason, the document includes a definition of the star but not an illustration. ■

The following relationships exist between the aggregate table and the dimension tables in the Manage Prospect Pipeline aggregate star. The table also gives a definition of each dimension table in the star. The dimension tables use the cleansing rules in the Banner EDW for the short and long descriptions.

Dimension table	Key join to aggregate table
WDT_ADDRESS_TYPE Address type dimension table contains the list of address types for addresses and its status and descriptions.	ADDRESS_TYPE_KEY
WDT_ADVANCEMENT_OFFICE Advancement office dimension table contains a list of advancement offices used in prospect tracking.	ADVANCEMENT_OFFICE_KEY
WDT_ADVANCEMENT_PROGRAM Advancement program dimension table contains a list of programs that may be linked to prospects.	ADVANCEMENT_PROGRAM_KEY
WDT_ADVANCEMENT_PROGRAM_YEAR Advancement program year dimension table contains a list of years that a prospect may be linked to.	ADVANCEMENT_PROGRAM_YEAR_KEY
WDT_ASSIGNMENT Assignment dimension table contains attributes of the staff assigned directly to a prospect or to a prospect through a proposal assignment. Data includes the type of assignment, if the staff is a solicitor and if the assignment is active.	ASSIGNMENT_KEY
WDT_CAMPAIGN Campaign dimension table identifies: <ul style="list-style-type: none"> • All campaigns and common information such as the campaign type • Whether the campaign is active • Whether to include the campaign in giving 	CAMPAIGN_KEY
WDT_CLASS_SCHOOL Class school dimension table contains the preferred class year and school for a constituent.	CLASS_SCHOOL_KEY

Dimension table	Key join to aggregate table
WDT_CONSTITUENT_ENTITY_ATTRIB Constituent entity attribute dimension table provides common indicative information about a constituent such as whether they are a donor, whether they have ever been contacted, or have a staff member assigned.	CONSTITUENT_ENTITY_ATTRIB_KEY
WDT_CONSTITUENT_ENTITY_TYPE Constituent entity type dimension table provides donor information about the constituent such as the CFAE, if this is a person or organization, alumni, board member, student, faculty, and so on.	CONSTITUENT_ENTITY_TYPE_KEY
WDT_CONTACT_REPORT Contact report dimension table contains all prospect contacts.	CONTACT_REPORT_KEY
WDT_CONTACT_REPORT_ATTRIBUTE Contact report attribute dimension table contains all prospect contacts and information about the contact.	CONTACT_REPORT_ATTRIBUTE_KEY
WDT_DEMOGRAPHIC Demographic dimension table provides information for a person. The person can be an employee, inquirer, applicant, student or graduate at the institution. This information includes gender, ethnicity, age range, and family income range.	DEMOGRAPHIC_KEY
WDT_ENTITY Entity dimension table provides information about a person or organization.	ENTITY_KEY
WDT_POSTAL Postal dimension table provides all data that is common to a postal code.	POSTAL_KEY
WDT_PROGRAM_PROSPECT_ATTRIBUTE Program prospect attribute dimension table provides program information for that prospect.	PROGRAM_PROSPECT_ATTRIBUTE_KEY

Dimension table	Key join to aggregate table
WDT_PROPOSAL	PROPOSAL_KEY
Proposal dimension table contains descriptions and comments for a proposal.	
WDT_PROPOSAL_ATTRIBUTE	PROPOSAL_ATTRIBUTE_KEY
Proposal attribute dimension contains attributes specific to the proposal, like proposal type, funding type, submit type, active proposal status, and so on.	
WDT_PROSPECT	PROSPECT_KEY
Prospect dimension table identifying information about the prospect such as ID and name.	
WDT_PROSPECT_ATTRIBUTE	PROSPECT_ATTRIBUTE_KEY
Prospect attribute dimension table contains attributes for that prospect such as type, group, classification, affiliation, referral, status, and so on.	
WDT_PROSPECT_SHARED_ATTRIBUTE	PROSPECT_SHARED_ATTRIBUTE_KEY
Prospect shared attribute dimension table contains attributes shared between prospects and program prospects.	
WDT_STAFF	STAFF_KEY
Staff dimension table contains information about the staff assigned to a prospect.	
WDT_STAGE	STAGE_KEY
Stage dimension table contains the various stages that a prospect/program prospect, prospect proposal, or prospect interest can be in.	
WDT_STREET_ADDRESS	STREET_ADDRESS_KEY
Street address dimension table contains street information about an address.	

Dimension table	Key join to aggregate table
WDT_UNIT	UNIT_KEY
Unit dimension table identifies schools or units and descriptions.	
WDT_WAREHOUSE_ENTITY	YEAR_OF_GIVING_UID
Warehouse entity dimension table contains cross reference entity information between different source ERPs.	
WDT_MULTI_SOURCE	MULTI_SOURCE_KEY
Multi-source Dimension table provides information on the source(s) of information. This information consists of the multi-source code and its descriptions along with the process group and administrative group.	

Manage Prospect Pipeline A

The Manage Prospect Pipeline A aggregate star illustrates data relationships within the Manage Prospect Pipeline business concept. This star includes information related to the areas of interest or projects associated with each prospect. The WAT_MANAGE_PROSPECT_PIPELINE_A aggregate table is a supporting aggregate structure to the WAT_MANAGE_PROSPECT_PIPELINE aggregate table. This is used to preserve the intended granularity of the business concept.

Click the star icon  to open the star's entity relationship diagram (ERD).

The WAT_MANAGE_PROSPECT_PIPELINE_A aggregate table is based on data from the following fact tables:

- WFT_PROSPECT
- WFT_PROSPECT_INTEREST

The WAT_MANAGE_PROSPECT_PIPELINE_A aggregate table granularity includes one row per:

- Prospect
- Interest.

The following relationships exist between the aggregate table and the dimension tables in the Manage Prospect Pipeline A aggregate star.

Dimension table	Key join to aggregate table
WDT_PROSPECT Prospect dimension table identifying information about the prospect such as ID and name.	PROSPECT_KEY
WDT_ADVANCEMENT_PROGRAM Advancement program dimension table contains a list of programs that may be linked to prospects.	ADVANCEMENT_PROGRAM_KEY
WDT_ADVANCEMENT_PROGRAM_YEAR Advancement program year dimension table contains a list of years that a prospect may be linked to.	ADVANCEMENT_PROGRAM_YEAR_KEY
WDT_FUNDRAISING_INITIATIVE Fundraising initiative dimension table provides information about proposal projects, purposes, and interests.	FUNDRAISING_INITIATIVE_KEY
WDT_STAGE Stage dimension table contains the various stages that a prospect/program prospect, prospect proposal, or prospect interest can be in.	STAGE_KEY
WDT_UNIT Unit dimension table identifies schools or units and descriptions.	UNIT_KEY
WDT_MULTI_SOURCE Multi-source Dimension table provides information on the source(s) of information. This information consists of the multi-source code and its descriptions along with the process group and administrative group.	MULTI_SOURCE_KEY

Manage Prospect Pipeline B

The Manage Prospect Pipeline B aggregate star illustrates data relationships within the Manage Prospect Pipeline business concept. This star includes information related to the area of interest, project, or purpose associated with each prospect proposal. The WAT_MANAGE_PROSPECT_PIPELINE_B aggregate table is a supporting aggregate structure to the WAT_MANAGE_PROSPECT_PIPELINE aggregate table. This is used to preserve the intended granularity of the business concept.

Click the star icon  to open the star's entity relationship diagram (ERD).

The WAT_MANAGE_PROSPECT_PIPELINE_B aggregate table is based on data from the following fact tables:

- WFT_PROSPECT
- WFT_PROPOSAL
- WFT_PROPOSAL_PURPOSE

The WAT_MANAGE_PROSPECT_PIPELINE_B aggregate table granularity includes one row per:

- Prospect
- Proposal
- Proposal Purpose

The following relationships exist between the aggregate table and the dimension tables in the Manage Prospect Pipeline B aggregate star.

Dimension table	Key join to aggregate table
WDT_PROSPECT Prospect dimension table identifying information about the prospect such as ID and name.	PROSPECT_KEY
WDT_ADVANCEMENT_PROGRAM Advancement program dimension table contains a list of programs that may be linked to prospects.	ADVANCEMENT_PROGRAM_KEY
WDT_ADVANCEMENT_PROGRAM_YEAR Advancement program year dimension table contains a list of years that a prospect may be linked to.	ADVANCEMENT_PROGRAM_YEAR_KEY
WDT_DESIGNATION Designation dimension table provides information regarding the reasons why a gift was given to the institution. This information includes the intended receiving college, department, campus, division, purpose, and so on.	DESIGNATION_KEY
WDT_DESIGNATION_DETAIL Designation detail dimension table provides information regarding the reasons why a gift was given to the institution. This information includes the type, status, purpose, and so on.	DESIGNATION_DETAIL_KEY
WDT_FUNDRAISING_INITIATIVE Fundraising initiative dimension table provides information about proposal projects, purposes, and interests.	FUNDRAISING_INITIATIVE_KEY
WDT_PROPOSAL Proposal dimension table contains descriptions and comments for a proposal.	PROPOSAL_KEY

Dimension table	Key join to aggregate table
WDT_PROPOSAL_PURPOSE	PROPOSAL_PURPOSE_KEY
Proposal purpose dimension table contains information specific to the proposal purpose or project.	
WDT_STAGE	STAGE_KEY
Stage dimension table contains the various stages that a prospect/program prospect, prospect proposal, or prospect interest can be in.	
WDT_UNIT	UNIT_KEY
Unit dimension table identifies schools or units and descriptions.	
WDT_MULTI_SOURCE	MULTI_SOURCE_KEY
Multi-source Dimension table provides information on the source(s) of information. This information consists of the multi-source code and its descriptions along with the process group and administrative group.	





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