PURDUE UNIVERSITY — BUSINESS INTELLIGENCE COMPETENCY CENTER

Common View – Deep Understanding – Better Decisions

This function was created in the reporting Operation Data Store (ODS) to aid users in comparing data across academic periods. Below are the guidelines and specifics on using the Academic Period Current function as a filter when reporting.
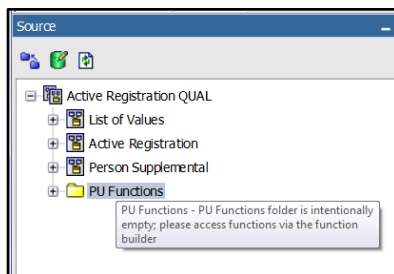
Function Name: Academic_Current_Period

Description: Used as a filter for current academic period data. Partial terms are not available for this function. Days/weeks falling outside and between Academic Periods in Banner are included in the upcoming term period.

Uses: Can be used to filter values in a prompt list to only the current term.
Can be used with prompt parameters.
Can be used with the *Academic_Period_Compare* function to bring back multiple Academic Period comparisons.

Warnings: **This function is to be used as a filter**, especially with the Academic Period List of Values (LOV's). *Using it to create new data items (columns) can cause slow report response times as the function is executed for every detail row.*
In Cognos, all reporting packages in ODS will now display an empty folder at the bottom of the package tree. Users do not need to open it to use the functions.
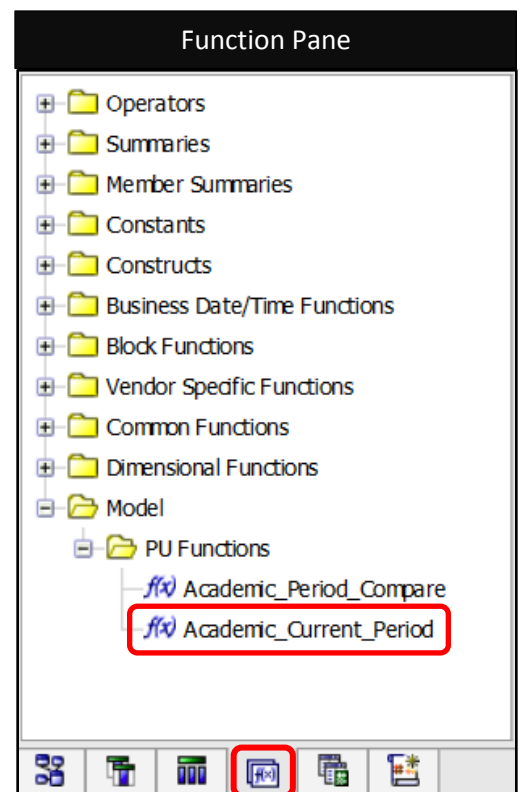

1. The function can be accessed by dragging a *Data Item* to the *Detail Filters* window in Report Studio.

2. Click on the *Functions* icon in the *Available Components* window to open the *Function pane*.

3. Open the *Model* folder, then the *ODS* folder.

4. Drag the *Academic_Current_Period* function to the *Expression Definition* pane and build the required filter definition.

NOTE: The Information block will display a definition of the *function once the function has been selected in the Function pane.*

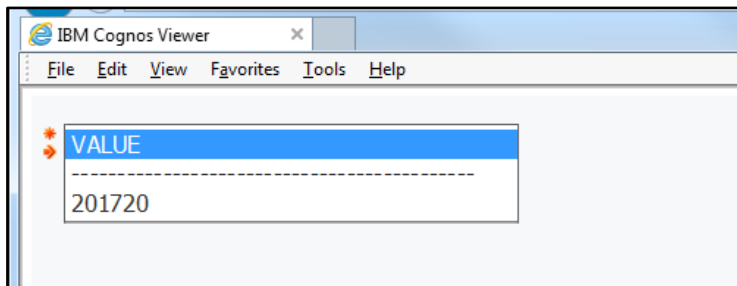
Academic_Current_Period()
USE FOR FILTERS ONLY

Returns the current academic period; Parameters are NOT needed for this function.

Function Pane

- Operators
- Summaries
- Member Summaries
- Constants
- Constructs
- Business Date/Time Functions
- Block Functions
- Vendor Specific Functions
- Common Functions
- Dimensional Functions
- Model
  - PU Functions
    - *f(x)* Academic_Period_Compare
    - *f(x)* Academic_Current_Period

Example Uses

Limit List of Values for Academic Period Prompt. This use will limit the values to current Academic Period only.

1. Create a list prompt parameter for Academic Period and name it **Current Term**. Be sure to add filter to the primary query like, **[ACADEMIC_PERIOD] = ?Current Term?.** Greater than or less than (>=, <=) can also be used for additional valid values for selection.
2. In the prompt query drag **Value** from the **Data Items** pane to the **Detail Filters** pane.
3. Create Filter: **[VALUE] = Academic_Current_Period()**
4. Run the report. Only the current Academic Period value will appear for the prompt.

Example Multiple Column Filter: *[VALUE] = Academic_Current_Period( )*
or [VALUE] = Academic_Period_Compare (Academic_Current_Period ( ), -1)
or [VALUE] = Academic_Period_Compare (Academic_Current_Period ( ), -2)
or [VALUE] = Academic_Period_Compare (Academic_Current_Period ( ), -3)
or [VALUE] = Academic_Period_Compare (Academic_Current_Period ( ), -4)
(Returns current academic period and 4 terms previous).