

Subject Areas

This section describes each of the subject areas provided with each type of Usage report.

Summon Action Usage

Using the Summon Action Usage subject area, you can create reports that help to answer the following types of business questions:

- How many times did users invoke a certain action in Summon (such as basic versus advanced searches)?
- On average how many times are specific actions invoked in a single session?



Summon Action Usage Searches

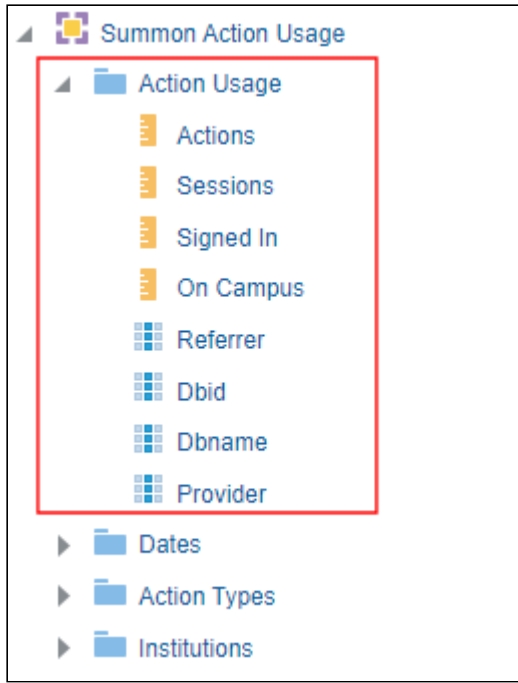
The Summon Action Usage subject area contains many fields used to create reports associated with usage. Refer to the following sections for more information on each field.



Summon Action Usage Subject Area

Action Usage

The Action Usage table is the fact table that stores information about the actions taken by end users in Summon.



Action Usage Table

The following table lists the fields provided by the Action Usage fact table:

Action Usage Fact Table

Field	Description
Actions	A measurement field that tracks the number of times an action was taken.
Sessions	<p>A measurement field that tracks the number of sessions in which an action was taken.</p> <p>Sessions are counted only once per action. For example, if the user ran two searches in the same session, the session is counted only once.</p> <hr/> <p>Note</p> <p>If you total the number of sessions in the Actions table, it will be greater than the number of sessions for the same period in the Sessions table because the same session is counted more than once.</p> <hr/>
Signed-in	<p>A measurement field that tracks the number of times an action was taken from a user who was signed-in.</p> <hr/> <p>Note</p> <p>Not used. All usage, whether signed in or not, is recorded.</p> <hr/>
On Campus	A measurement field that tracks the number of times an action was taken from a user who was on campus.

Field	Description
Referrer	A search attribute field that contains the referrer information (such as Google Scholar, Yahoo, and Summon), which indicates how users are accessing information from Summon.
Dbid	A search attribute field that contains the ID of the database that users are accessing.
Dbname	A search attribute field that contains the name of the database that users are accessing.
Provider	A search attribute field that contains the name of the database's provider.

Dates

The Dates table is a dimension table that contains different date ranges and formats. The date dimension is used to limit reports to specific date ranges (such as year, month, week, and day).

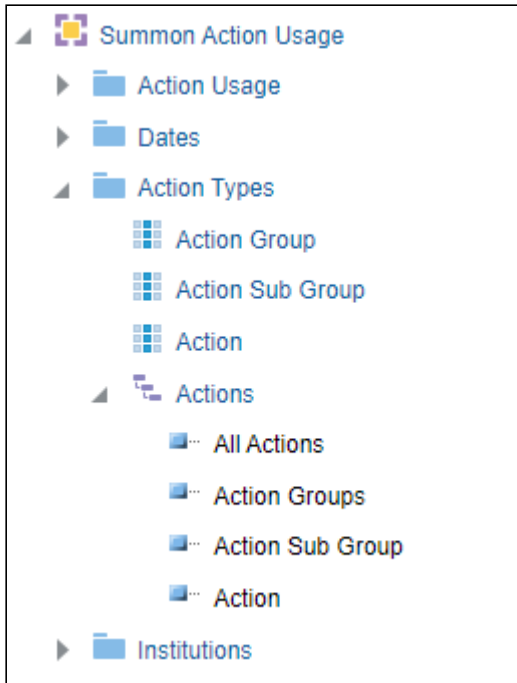
The screenshot shows a metadata browser interface for the 'Dates' dimension table. The table is expanded to show a list of date-related fields, each with a small grid icon to its left. The fields are listed as follows:

- Year (date)
- Year
- Year (desc)
- Month (date)
- Month (number)
- Month (short desc)
- Month (long desc)
- Week (date)
- Week (short desc)
- Week (long desc)
- Date
- Date (short desc)
- Date (long desc)
- DOW (number)
- Dates - Week
- Dates - Month

Dates Dimension Table

Action Types

The Action Types table is a dimension table with several attributes.



Action Types Dimensions Table

The following table lists the attributes contained the Action Types dimension table.

Action Types

Field	Description
Action Group	An attribute field that divides actions into groups. See Action Groups and Subgroups for list of Actions groups.
Action Sub Group	An attribute field that divides actions into subgroups. See Action Groups and Subgroups for list of Action subgroups.
Action	An attribute field for the type of action. See Action Attributes by Group for a list of actions.
Actions	A hierarchical attribute field in which actions are organized into groups and subgroups.

The following table lists the action groups and their associated subgroups.

Action Groups and Subgroups

Group	Subgroups
Document	This group utilizes all linking actions under the following subgroups: <ul style="list-style-type: none"> • Link

Group	Subgroups
	<ul style="list-style-type: none"> • Lateral Linking • Title Clicks
Exploration	<p>This group includes all actions that utilize the following exploration features:</p> <ul style="list-style-type: none"> • Citation Trail – click a citation trail. • Resource Recommender – click a recommended resource.
General	This group includes general actions taken and contains the General subgroup.
Results List	This group includes all actions taken on the results list and contains the General subgroup.
Search	<p>This group includes all search related actions and contains the following subgroup:</p> <ul style="list-style-type: none"> • Search – all keyword based searches

The following table lists the hierarchical attributes of the actions:




Action Attributes by Group

Subgroup	Action	Description
Document:		
Link	Local link 01 - Local link 50	A page accessed via a local link.
Lateral Linking	Lateral Linking – Local Field 30 - Lateral Linking – Local Field 39	A search invoked through a lateral link.
Title Clicks	Click on title	A title was clicked in the results.
Exploration		
Citation Trail	Display citations from citation trail	User clicked a citation link in the results.
	Display Cited By from citation trail	User clicked a cited-by link in the results.

Subgroup	Action	Description
Resource Recommender	Click on recommended resource	User clicked a recommended service in the results.
General		
General	Disable personalized results	User disabled personalized results.
	Enable personalized results	User enabled personalized results.
Results List		
General	Facet filtering	User clicked a facet to filter results.
	Facet set as persistent - Exclude	User excluded a facet.
	Facet set as persistent - Include	User included a facet.
Search		
Search	Advanced search	A search invoked from the Advanced search box.
	Basic search	A search invoked from the Basic search box.

Institutions

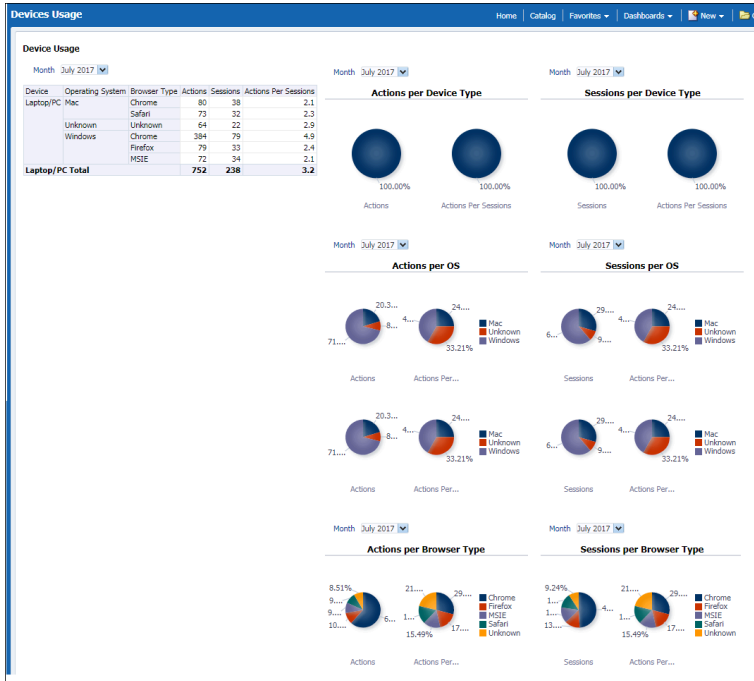
The Institutions table is a dimension table with the following attributes: Institution Code and Institution Name.

 Institutions <ul style="list-style-type: none">  Institution Code  Institution Name
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Institutions Dimensions Table

Summon Device Usage

Using the Summon Device Usage subject area, you can create reports that show the number of actions and sessions that are processed for each device type (including the operating system and browser type). For example:



Summon Devices Usage

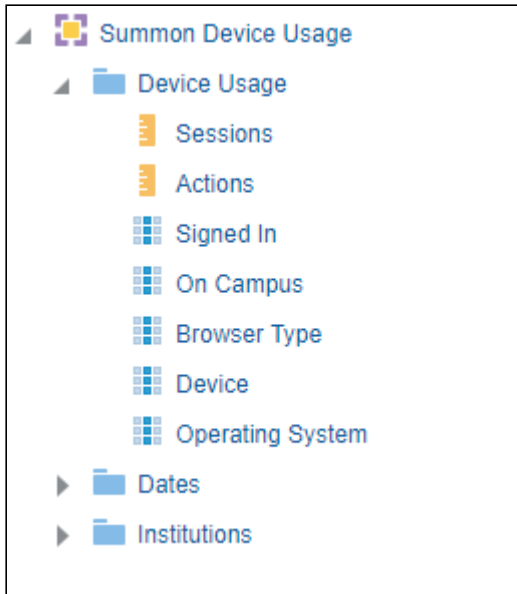
The Summon Device Usage subject area contains many fields used to create reports associated with device usage. Refer to the following sections for more information on each field.



Summon Device Usage Subject Area

Device Usage

The Device Usage table is the fact table that stores information about device usage.



Device Usage Table

The Device Usage fact table has two measurement fields and several attribute fields:

Device Usage Fields

Field	Description
Sessions	The number of times in which a type of device was used.
Actions	The number of actions for a device type.
Signed-in	<p>A measurement field that tracks the number of times a user signed in when using a type of device.</p> <hr/> <p>Note</p> <p>Not used. All usage, whether signed in or not, is recorded.</p> <hr/>
On Campus	A measurement field that tracks the number of times a user was on campus when using a type of device.
Browser Type	An attribute field that stores the type of browser.
Device	An attribute field that stores the type of device.
Operating System	An attribute field that stores the type of operating system. It allows you to merge different versions of the same operating system into a single value.

Dates

For more information, see [Dates](#).

Institutions

For more information, see [Institutions](#).

Summon Facet Usage

Using the Summon Facet Usage subject area, you can create reports that help to answer the following types of business questions:

- Which facets are most used?
- On average how often are facets used in a single session?



Summon Facet Usage

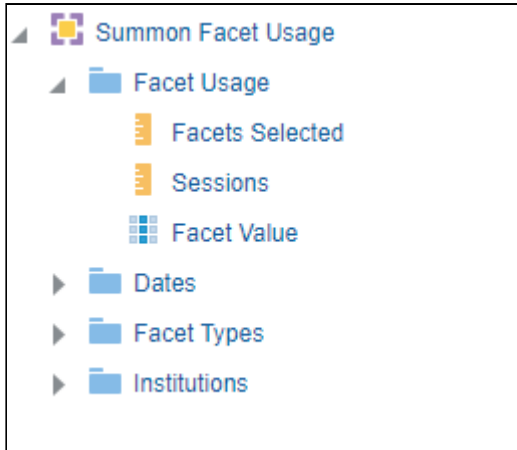
The Summon Facet Usage subject area contains many fields used to create reports associated with facet usage. Refer to the following sections for more information on each field.



Summon Facet Usage Subject Area

Facet Usage

The Facet Usage table is the fact table that stores information about the facets selected by end users in Summon.



Facet Usage Table

The following table lists the fields provided by the Facet Usage fact table:

Facet Usage Fields

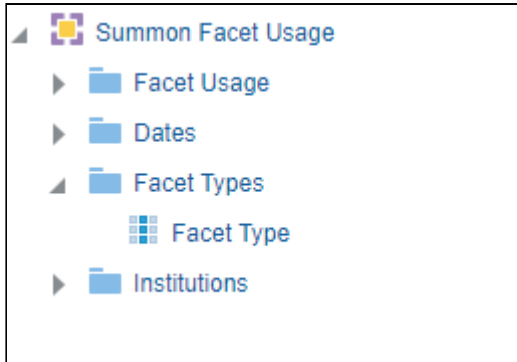
Field	Description
Facets Selected	This measurement field tracks the number of times an action was taken.
Sessions	<p>This measurement field tracks the number of sessions in which an action was taken.</p> <p>Sessions are counted only once per action. For example, if the user selected a facet twice in the same session, the session is counted only once.</p> <hr/> <p>Note</p> <p>If you total the number of sessions in the Facets table, it will be greater than the number of sessions for the same period in the Sessions table because the same session will be counted more than once.</p> <hr/>
Facet Value	<p>An attribute field that stores the specific facet value that users select.</p> <hr/> <p>Note</p> <p>If this attribute is added to a report, nothing will appear for other facets.</p> <hr/>

Dates

For more information, see [Dates](#).

Facet Types

The Facet Types table is a dimension table with a single attribute: the type of facet.



Facet Types Table

The following table lists the fields provided by the Facet Types fact table:

Field	Description
Facet Type	The facet type. All out-of-the-box and locally defined facets are included.

Institutions

For more information, see [Institutions](#).

Summon Popular Searches

Using the Summon Popular Searches subject area, you may create reports that help to answer the following types of business questions:

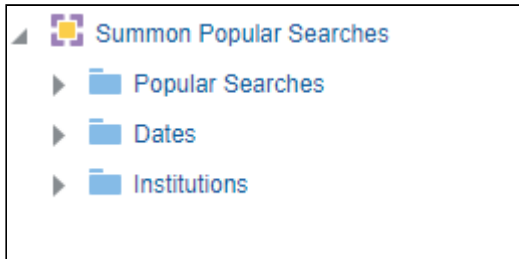
- Which queries are most popular?
- Are there any trends in popularity of certain topics over time?

A screenshot of the 'Popular Searches' report interface. The title bar is blue with 'Popular Searches' on the left and 'Home | Catal' on the right. Below the title bar, the text 'Popular Searches since January 1st, 2016' is displayed. A table with three columns: 'Search String', 'Searches', and 'Results' is shown. The table lists various search strings and their corresponding search and result counts.

Search String	Searches	Results
children and bilingualism	24	72,839
robots	16	1,484,790
art history	15	11,217,050
business	14	165,112,777
psychology	14	8,559,048
(publicationtitle:(npr))	13	2,545
artificial intelligence	12	1,247,927
bs 7349-1:1993	11	10
christianity	11	2,232,274
bocconi	10	32,577
bs 325:1928	10	42,226
art	9	58,647,420
chemistry	9	17,384,271
rocks	9	17,890,587

Summon Popular Searches

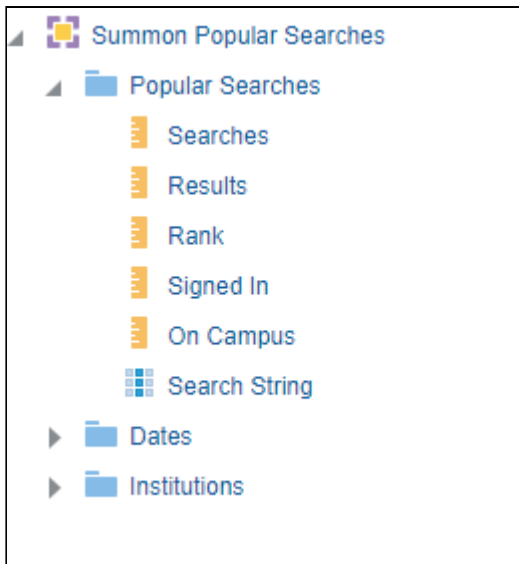
The Summon Popular Searches subject area contains many fields used to create reports associated with popular searches. Refer to the following sections for more information on each field.



Summon Popular Searches Subject Area

Popular Searches

The Popular Searches table is a fact table that stores information about the most popular searches. Popular searches are gathered on a monthly basis. A search is considered popular if it has been performed at least 10 times within a month. Up to 500 popular searches are saved per month. At least 200 searches will be saved even if they are not considered popular. This means that no more than 200 searches will be saved unless there are 200 or more searches with 10 occurrences.



Popular Searches Table

The following table lists the fields provided in the Popular Searches fact table:

Popular Searches Fields

Field	Description
Searches	A measurement field that stores the number of searches for the query.
Results	A measurement field that stores the average number of results per search.
Rank	The rank of the search in terms of number of results.

Field	Description
	This field can useful for sorting purposes.
Signed-in	<p>The number of times an action was taken when the user was signed-in.</p> <hr/> <p>Note</p> <p>Not used. All usage, whether signed in or not, is recorded.</p> <hr/>
On Campus	A measurement field that tracks the number of times an action was taken from a user who was on campus.
Search String	The user's query.

Dates

For more information, see [Dates](#).

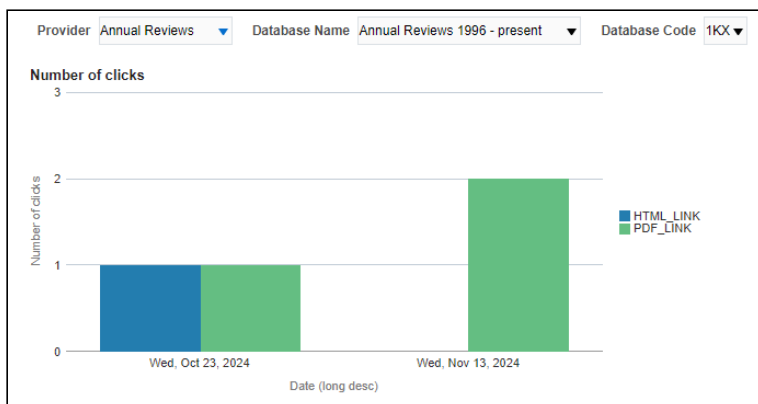
Institutions

For more information, see [Institutions](#).

Summon Quicklinks

Using the Summon Quicklinks subject area, you can create reports that help to answer the following types of business questions:

- How often are users using Quicklinks?
- Do users prefer to use PDF or HTML Quicklinks?



Summon Quicklinks Graph

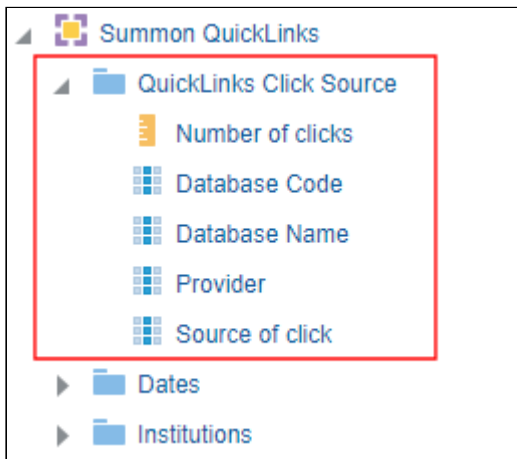
The Summon Quicklinks subject area contains many fields used to create reports associated with Summon Quicklinks. Refer to the following sections for more information on each field.



Summon Quicklinks Subject Area

Quicklinks Click Source

The Quicklinks Click Source table is the fact table that stores information about Summon Quicklinks usage.



Quicklinks Click Source Table

The Quicklinks Click Source fact table has one measurement field and four attribute fields:

Sessions Fields

Field	Description
Number of clicks	A measurement field that tracks the number of clicks.
Database Code	A search attribute field that contains the database code of the Quicklink.
Database Name	A search attribute field that contains the database name of the Quicklink.
Provider	A search attribute field that contains the database's provider.

Field	Description
Source of click	A search attribute field that indicates whether the source of the click was either PDF or HTML.

Dates

For more information, see [Dates](#).

Institutions

For more information, see [Institutions](#).

Summon Sessions

Using the Summon Sessions subject area, you can create reports that help to answer the following types of business questions:

- How many sessions are opened in a given time period?
- On average how many actions are taken within a session?
- In which countries are users located when they open a session?



Summon Sessions Usage

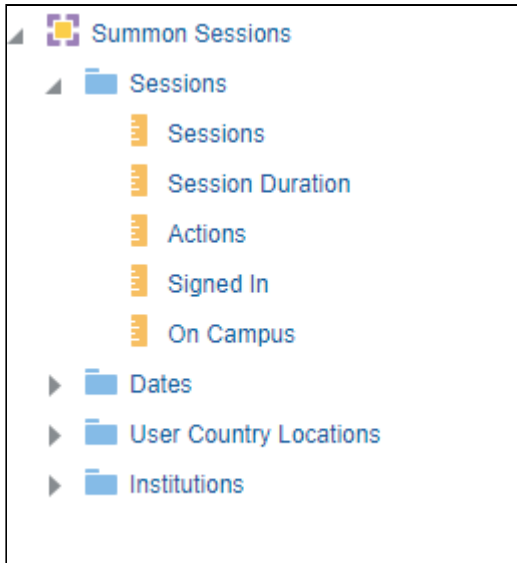
The Summon Sessions subject area contains many fields used to create reports associated with Summon sessions. Refer to the following sections for more information on each field.



Summon Sessions Subject Area

Sessions

The Sessions table is the fact table that stores information about sessions.



Sessions Table

The Sessions fact table has four measurement fields and one attribute fields:

Sessions Fields

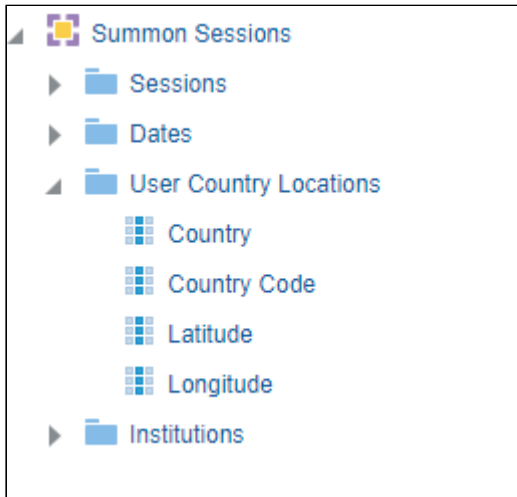
Field	Description
Sessions	The number of sessions.
Session Duration	The average session duration, which is counted from the first action to the last action within a session.
Actions	The number of actions within sessions.
Signed-in	<p>A measurement field that tracks the number of times a user signed in within a session.</p> <hr/> <p>Note</p> <p>Not used. All usage, whether signed in or not, is recorded.</p> <hr/>
On Campus	<p>A measurement field that tracks the number of times an action was taken from a user who was on campus (which is determined by the IP ranges configured for the Summon institution).</p> <p>This field is available with the November 2015 release.</p>

Dates

For more information, see [Dates](#).

User Country Location

The User Country Location is a dimension table for information about the location of end-users when they start sessions.



User Country Location Table

The User Country Location dimension has the following attributes:

User Country Location Fields

Field	Description
Country	The country name, which is based on the end user's IP. Country information is not tracked so this field always displays 'US'.
Country Code	The country code, which is based on the ISO 3166-1 standard.
Latitude	The latitude of the country.
Longitude	The longitude of the country.

Institutions

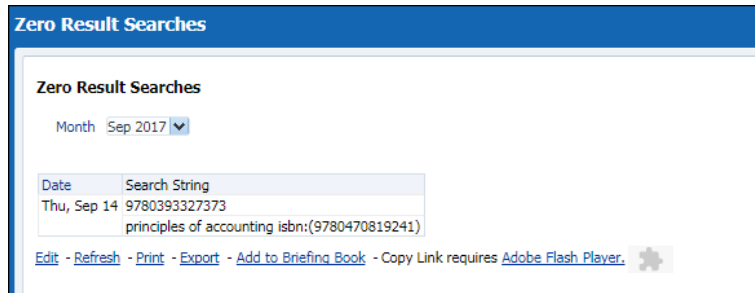
For more information, see [Institutions](#).

Summon Zero Result Searches

Using the Zero Results Searches subject area, you may create reports that help to answer the following types of business

questions:

- Which kind of queries result in no results?
- What kind of errors do end users make in queries that cause no results to be found?



Summon Zero Result Searches

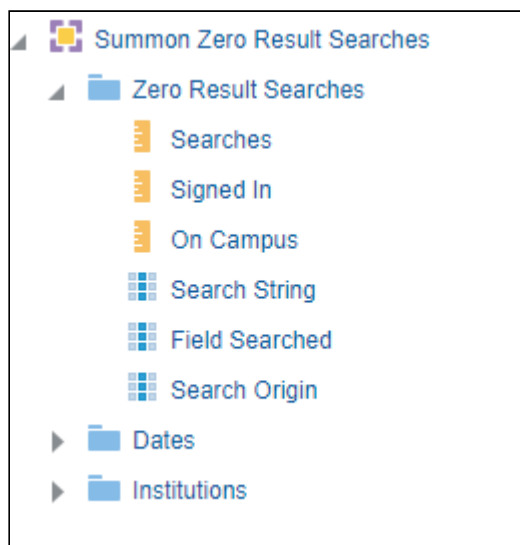
The Summon Zero Result Searches subject area contains many fields used to create reports associated with searches that return no results. Refer to the following sections for more information on each field.



Zero Result Searches Subject Area

Zero Result Searches

The Zero Result Search table is a fact table that stores information about searches that had zero results.



Zero Result Searches Table

The following table lists the fields provided by the Zero Result Searches fact table:

Zero Results Searches Fields

Field	Description
Searches	The number of searches for the query.
Signed-in	<p>A measurement field that tracks the number of times a signed-in user performed a search and received no results.</p> <hr/> <p>Note</p> <p>Not used. All usage, whether signed in or not, is recorded.</p> <hr/>
On Campus	<p>A measurement field that tracks the number of times an action was taken from a user who was on campus.</p> <p>This field is available with the November 2015 release.</p>
Search String	An attribute field that stores the search string that returned no results.
Field Searched	An attribute field that stores the field being searched. This is relevant if the user performed a search on a specific field (such as authors only).
Search Origin	A search attribute field that indicates the the origin of the search.

Dates

For more information, see [Dates](#).

Institutions

For more information, see [Institutions](#).