



# Smarten Clickless Analytics User Manual

Document Information	
Document ID	Smarten-Clickless-Analytics-User-Manual
Document Version	1.0
Product Version	5.2
Date	14-June-2021
Recipient	NA
Author	EMTPL

© Copyright Elegant MicroWeb Technologies Pvt. Ltd. 2021. All Rights Reserved.

## **Statement of Confidentiality, Disclaimer and Copyright**

This document contains information that is proprietary and confidential to EMTPL, which shall not be disclosed, transmitted, or duplicated, used in whole or in part for any purpose other than its intended purpose. Any use or disclosure in whole or in part of this information without the express written permission of EMTPL is prohibited.

Any other company and product names mentioned are used for identification purpose only, may be trademarks of their respective owners and are duly acknowledged.

## **Disclaimer**

This document is intended to support administrators, technology managers or developers using and implementing Smarten. The business needs of each organization will vary and this document is expected to provide guidelines and not rules for making any decisions related to Smarten. The overall performance of Smarten depends on many factors, including but not limited to hardware configuration and network throughput.

## Contents

<b>1 About this Document.....</b>	<b>4</b>
1.1 Scope and Organization of Topic Areas .....	4
1.2 Conventions used.....	4
<b>2 Introduction to Clickless Analytics.....</b>	<b>4</b>
<b>3 Configuration for Clickless Analytics.....</b>	<b>5</b>
3.1 Enable Dataset for Clickless Analytics .....	5
3.2 Disable Dataset for Clickless Analytics .....	8
3.3 Define Dataset Specific NLP Definition .....	11
3.3.1 Specify Synonyms for a Dataset .....	11
3.3.2 Specify Column Priority for a Dataset .....	15
3.3.3 Specify Default Aggregation on Measure Column .....	18
3.3.4 Specify Measure Polarity.....	22
<b>4 Search using Clickless Analytics .....</b>	<b>25</b>
<b>5 Analyze and use Clickless Analytics Results.....</b>	<b>27</b>
5.1 Change the Visualization.....	28
5.2 View & Modify Search Result .....	29
5.2.1 Explainer—Query Translation .....	29
5.2.2 Disable a Column used in the Query.....	30
5.2.3 Update Value of a Column used in the Query.....	32
5.2.4 Update Aggregation .....	35
5.2.5 Change Dataset Column(s).....	37
5.3 Add Breakdown Columns in the Result.....	40
5.4 Update Ranks .....	43
5.5 View Dataset Columns .....	46
5.6 Explore Result in Detail .....	48
<b>6 Product and Support Information.....</b>	<b>49</b>

## 1 About this Document

---

This manual explains how to use various features of Clickless analytics in Smarten Augmented analytics Suite.

### 1.1 Scope and Organization of Topic Areas

---

The content in this manual is organised according to the tasks and operations performed on the Clickless analytics and are arranged in the following topics:

Chapter 1	About this Document
Chapter 2	Introduction to Clickless Analytics
Chapter 3	Configuration for Clickless Analytics
Chapter 4	Search using Clickless Analytics
Chapter 5	Analyze and use Clickless Analytics Results
Chapter 6	Product and Support Information

### 1.2 Conventions used

---

This manual uses typographical conventions in the text to help you distinguish between the names of files, instructions and other important notes that are relevant during installation. For example:

- Field names are mentioned in the boldface font:  
Select the **Page Setup** tab under **Page Header/Footer Configuration**.
- Important notes are indicated in blue:

Note:

Currently, Smarten allows Crosstab and Tabular BI objects only.

- References to documents are highlighted as below:

Reference: **Working with Clickless Analytics > Creating Search**

## 2 Introduction to Clickless Analytics

---

Clickless Analytics allows business users to ask questions in natural English language and get answers. Clickless Analytics provides a seamless augmented analytics experience using machine learning and natural language processing (NLP). Users can simply enter a search query in their natural language, such as, "What was the sales of Bakery in 2019," and the system translates the query and returns the results in an appropriate form, such as visualization, tables, numbers, or descriptions. It reduces a skill set requirement or training required to query data and design reports, and helps organizations democratize the use of analytics.

## 3 Configuration for Clickless Analytics

The process of Clickless Analytics starts with identifying the dataset that you want to query and get answers. You can work with default settings and auto recommendations generated for a dataset, but to improve the quality of the search and results, you need to configure synonyms, column priority, default aggregation, measure polarity, phonetics, column types, and abbreviations. You might also need to update the predefined system definitions that are available in various files.

### 3.1 Enable Dataset for Clickless Analytics

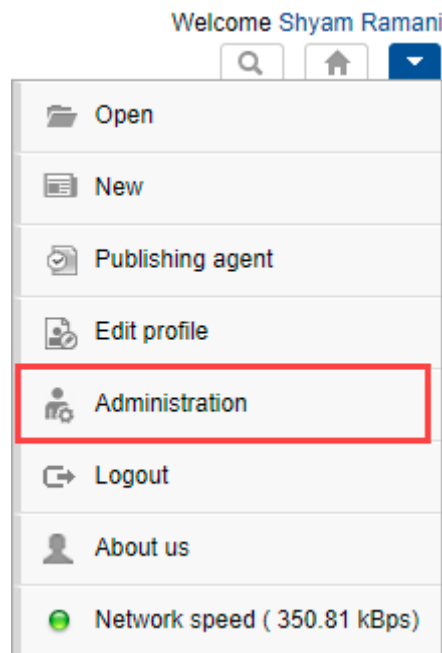
You must enable Clickless Analytics for the dataset you want to use for Clickless Analytics. This will enable you to perform a Clickless query on that dataset.

#### About this task

Use this task to enable Clickless Analytics for a dataset.

#### Procedure

1. Click **Administration** from the menu.



MENU OPTION—ADMINISTRATION

The system displays the **Administration** page.

- Configuration
- Datasources
- Cube management
- Dataset management
  - Dataset repository
  - Dimension maps
  - Data display value mappings
  - Global variables
  - Data access permissions
  - GeoMap columns
  - Column synonyms for clickless search
  - Column priority & polarity for clickless search
- Repository
- Scheduler

#### Environment information

##### LICENSE INFORMATION

Version 5.1.3  
 Licensed to NLP AWS Demo Server [ Evaluation Version ]  
 Number of users 50

	POWER USERS	USERS	PUBLISH ONLY USERS	SSDP	PREDICTIVE POWER	PREDICTIVE VIEW ONLY
BI	50	50	50	50	50	50

Number of admin users Unlimited  
 Maximum Records Limit Unlimited  
 Number of Datasource(s) Unlimited  
 API Access Yes  
 Mac address 02:e0:79:ca:20:cc  
 Expiry date 05-Sep-2021

REFRESH LICENSE INFORMATION

##### JAVA VIRTUAL MACHINE

Java version 1.8.0\_202

#### CLICKLESS ANALYTICS—ADMINISTRATION PAGE

- In **Dataset management**, click **Dataset repository**.  
 The system displays the **Dataset management** screen.

- Configuration
- Datasources
- Cube management
- Dataset management
  - Dataset repository**
  - Dimension maps
  - Data display value mappings
  - Global variables
  - Data access permissions
  - GeoMap columns
  - Column synonyms for clickless search
  - Column priority & polarity for clickless search

#### Dataset management

<div> <div> <div></div> <div></div> <div></div> <div></div> <div></div> </div> <div> <div>Search</div> <div>Page 1 of 1</div> <div>1</div> <div>Name</div> </div> </div>					
		NAME	CREATED	UPDATED	LAST DATA REBUILD
<input type="checkbox"/>	<input type="checkbox"/>	DT_COVID_DATA_AUS	admin 08-Jan-2021 11:11:16	admin 13-Jan-2021 07:14:22	admin 13-Jan-2021 07:14:22
<input type="checkbox"/>	<input type="checkbox"/>	DT_SalesData_NLP	admin 07-Jan-2021 07:14:10	admin 12-Jan-2021 12:35:04	admin 12-Jan-2021 12:35:04
<input type="checkbox"/>	<input type="checkbox"/>	Flight Data For NLP	admin 15-Jan-2020 19:45:50	admin 08-Jan-2021 11:54:14	admin 08-Jan-2021 11:54:14
<input type="checkbox"/>	<input type="checkbox"/>	SalesData_NLP_Large	admin 13-Aug-2020 13:43:53	admin 13-Jan-2021 07:07:45	admin 13-Jan-2021 07:07:45

#### CLICKLESS ANALYTICS—DATASET MANAGEMENT SCREEN

- Select the dataset that you want to enable for Clickless Analytics.

Configuration + Dataset management

Dataset management -

- Dataset repository
- Dimension maps
- Data display value mappings
- Global variables
- Data access permissions
- GeoMap columns
- Column synonyms for clickless search
- Column priority & polarity for clickless search

Dataset management

Search Page 1 of 1 1 Name ^

		NAME	CREATED	UPDATED	LAST DATA REBUILD	
<input type="checkbox"/>		DT_COVID_DATA_AUS	admin 08-Jan-2021 11:11:16	admin 13-Jan-2021 07:14:22	admin 13-Jan-2021 07:14:22	...
<input type="checkbox"/>	Q	DT_SalesData_NLP	admin 07-Jan-2021 07:14:10	admin 12-Jan-2021 12:35:04	admin 12-Jan-2021 12:35:04	...
<input type="checkbox"/>	Q	Flight Data For NLP	admin 15-Jan-2020 19:45:50	admin 08-Jan-2021 11:54:14	admin 08-Jan-2021 11:54:14	...
<input checked="" type="checkbox"/>		SalesData_NLP_Large	admin 13-Aug-2020 13:43:53	admin 13-Jan-2021 07:07:45	admin 13-Jan-2021 07:07:45	...

### CLICKLESS ANALYTICS—SELECT DATASET FOR CLICKLESS ANALYTICS

- Select the **Enable Clickless search** option from the toolbar.

Configuration + Dataset management

Dataset management -

- Dataset repository
- Dimension maps
- Data display value mappings
- Global variables
- Data access permissions
- GeoMap columns
- Column synonyms for clickless search
- Column priority & polarity for clickless search

Dataset management

Search Page 1 of 1 1 Name ^

		NAME	CREATED	UPDATED	LAST DATA REBUILD	
<input type="checkbox"/>		DT_COVID_DATA_AUS	admin 08-Jan-2021 11:11:16	admin 13-Jan-2021 07:14:22	admin 13-Jan-2021 07:14:22	...
<input type="checkbox"/>	Q	DT_SalesData_NLP	admin 07-Jan-2021 07:14:10	admin 12-Jan-2021 12:35:04	admin 12-Jan-2021 12:35:04	...
<input type="checkbox"/>	Q	Flight Data For NLP	admin 15-Jan-2020 19:45:50	admin 08-Jan-2021 11:54:14	admin 08-Jan-2021 11:54:14	...
<input checked="" type="checkbox"/>		SalesData_NLP_Large	admin 13-Aug-2020 13:43:53	admin 13-Jan-2021 07:07:45	admin 13-Jan-2021 07:07:45	...

### CLICKLESS ANALYTICS—OPTION TO ENABLE CLICKLESS ANALYTICS SEARCH

The selected dataset is enabled for Clickless Analytics, and a search icon appears next to the dataset. The user can perform Clickless search queries on the selected dataset.

	NAME	CREATED	UPDATED	LAST DATA REBUILD
<input type="checkbox"/>	DT_COVID_DATA_AUS	admin 08-Jan-2021 11:11:16	admin 13-Jan-2021 07:14:22	admin 13-Jan-2021 07:14:22
<input type="checkbox"/>	DT_SalesData_NLP	admin 07-Jan-2021 07:14:10	admin 12-Jan-2021 12:35:04	admin 12-Jan-2021 12:35:04
<input type="checkbox"/>	Flight Data For NLP	admin 15-Jan-2020 19:45:50	admin 08-Jan-2021 11:54:14	admin 08-Jan-2021 11:54:14
<input type="checkbox"/>	SalesData_NLP_Large	admin 13-Aug-2020 13:43:53	admin 13-Jan-2021 07:07:45	admin 13-Jan-2021 07:07:45

CLICKLESS ANALYTICS—DATASET ENABLED FOR CLICKLESS ANALYTICS

## 3.2 Disable Dataset for Clickless Analytics

You can disable Clickless Analytics for a dataset that you don't want to use for a Clickless search.

### About this task

Use this task to disable a dataset for Clickless Analytics.

### Procedure

1. Click **Administration** from the menu.

MENU OPTION—ADMINISTRATION

The system displays the **Administration** page.



Configuration

Datasources

Cube management

Dataset management

Dataset repository

Dimension maps

Data display value mappings

Global variables

Data access permissions

GeoMap columns

Column synonyms for clickless search

Column priority & polarity for clickless search

Repository

Scheduler

Environment information

LICENSE INFORMATION

Version

5.1.3

Licensed to

NLP AWS Demo Server [ Evaluation Version ]

Number of users

50

	POWER USERS	USERS	PUBLISH ONLY USERS	SSDP	PREDICTIVE POWER	PREDICTIVE VIEW ONLY
BI	50	50	50	50	50	50

Number of admin users

Unlimited

Maximum Records Limit

Unlimited

Number of Datasource(s)

Unlimited

API Access

Yes

Mac address

02:e0:79:ca:20:cc

Expiry date

05-Sep-2021

REFRESH LICENSE INFORMATION

JAVA VIRTUAL MACHINE

Version

1.8.0\_201

CLICKLESS ANALYTICS—ADMINISTRATION PAGE

2. In **Dataset management**, click **Dataset repository**.  
The system displays the **Dataset management** screen.

Smarten

Administration

Configuration

Datasources

Cube management

Dataset management

Dataset repository

Dimension maps

Data display value mappings

Global variables

Data access permissions

GeoMap columns

Column synonyms for clickless search

Column priority & polarity for clickless search

Dataset management

Refresh

+

Download

Import

Export

Search

Page 1 of 1

1

Name

			NAME	CREATED	UPDATED	LAST DATA REBUILD	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	DT_COVID_DATA_AUS	admin 08-Jan-2021 11:11:16	admin 13-Jan-2021 07:14:22	admin 13-Jan-2021 07:14:22	...
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	DT_SalesData_NLP	admin 07-Jan-2021 07:14:10	admin 12-Jan-2021 12:35:04	admin 12-Jan-2021 12:35:04	...
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Flight Data For NLP	admin 15-Jan-2020 19:45:50	admin 08-Jan-2021 11:54:14	admin 08-Jan-2021 11:54:14	...
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	SalesData_NLP_Large	admin 13-Aug-2020 13:43:53	admin 13-Jan-2021 07:07:45	admin 13-Jan-2021 07:07:45	...

## CLICKLESS ANALYTICS—DATASET MANAGEMENT SCREEN

3. Select the dataset for which you want to disable Clickless Analytics.

10

Dataset management

↺

+

✎

📄

📋

✓

↻

🔄

✕

ⓘ

🗑️

⬇️

📁

Search

🔍

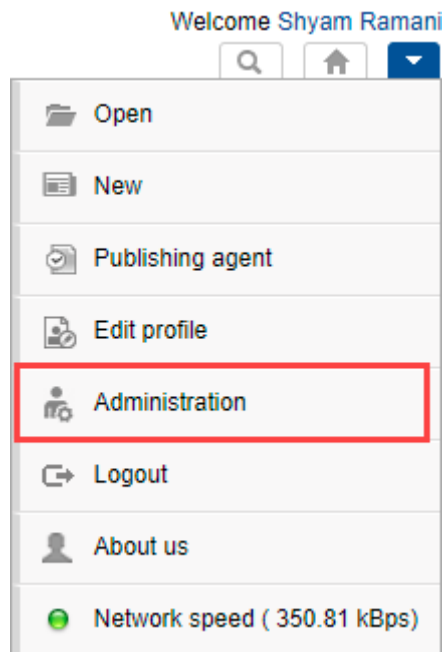
Page 1 of 1

1 ▾

Name ▴

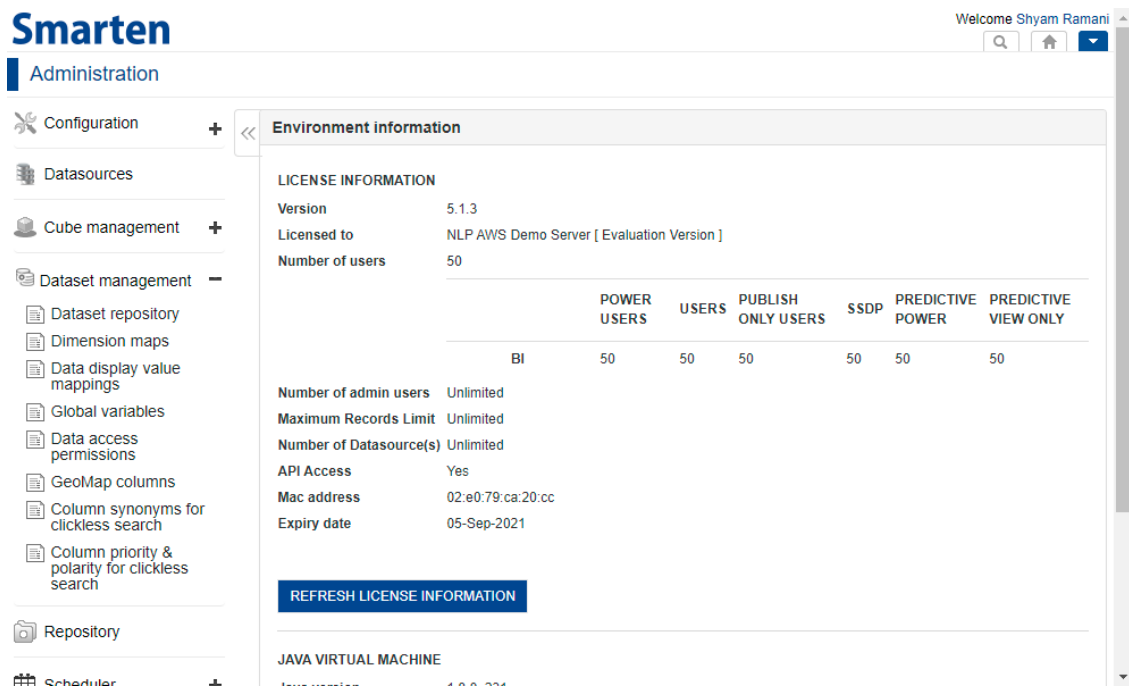
<input type="checkbox"/>		NAME	CREATED	UPDATED	LAST DATA REBUILD	
<input type="checkbox"/>		DT_COVID_DATA_AUS	admin 08-Jan-2021 11:11:16	admin 13-Jan-2021 07:14:22	admin 13-Jan-2021 07:14:22	⋮
<input type="checkbox"/>		DT_SalesData_NLP	admin 07-Jan-2021 07:14:10	admin 12-Jan-2021 12:35:04	admin 12-Jan-2021 12:35:04	⋮
<input type="checkbox"/>		Flight Data For NLP	admin 15-Jan-2020 19:45:50	admin 08-Jan-2021 11:54:14	admin 08-Jan-2021 11:54:14	⋮
<input checked="" type="checkbox"/>		SalesData_NLP_Large	admin 13-Aug-2020 13:43:53	admin 13-Jan-2021 07:07:45	admin 13-Jan-2021 07:07:45	⋮

11



MENU OPTION—ADMINISTRATION

The system displays the **Administration** page.



CLICKLESS ANALYTICS—ADMINISTRATION PAGE

- In **Dataset management**, click **Column synonyms for clickless search**.  
The system displays the **Column synonyms for clickless search** screen.

Configuration + << Column synonyms for clickless search

Select Dataset DT\_Covid-19\_India

DATA SET COLUMNS	SYNONYM (COMMA SEPARATED)	AUTO SYNONYMS	PHONETIC SEARCH
ActiveCases		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Cured_Discharged_Migrated	recovered	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Date		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Date_DAYOFMONTH		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Date_MONTH		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Date_MonthName		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Date_WEEKOFMONTH		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Date_YEAR		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

CLICKLESS ANALYTICS—COLUMN SYNONYMS FOR CLICKLESS SEARCH SCREEN

3. Select the dataset for which you want to specify synonyms from the **Select Dataset** list.

Configuration + << Column synonyms for clickless search

Select Dataset DT\_Covid-19\_India

DATA SET COLUMNS	SYNONYM (COMMA SEPARATED)	AUTO SYNONYMS	PHONETIC SEARCH
ActiveCases		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Cured_Discharged_Migrated	recovered	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Date		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Date_DAYOFMONTH		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Date_MONTH		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Date_MonthName		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Date_WEEKOFMONTH		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Date_YEAR		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

CLICKLESS ANALYTICS—SELECT DATASET FOR SYNONYMS

4. Specify comma separated synonyms for each dataset column in the **SYNONYM** field.

DATASET COLUMNS	SYNONYM (COMMA SEPARATED)	<input checked="" type="checkbox"/> AUTO SYNONYMS	<input type="checkbox"/> PHONETIC SEARCH
City		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
CostOfGood		<input checked="" type="checkbox"/>	<input type="checkbox"/>
Country		<input checked="" type="checkbox"/>	<input type="checkbox"/>
Date		<input checked="" type="checkbox"/>	<input type="checkbox"/>
Date_MonthName		<input checked="" type="checkbox"/>	<input type="checkbox"/>
Date_Year		<input checked="" type="checkbox"/>	<input type="checkbox"/>
EmployeeName	sales person,sales rep,sales reps,sales representative,sales represen	<input checked="" type="checkbox"/>	<input type="checkbox"/>
GrossSales	revenue	<input checked="" type="checkbox"/>	<input type="checkbox"/>
ListPrice		<input checked="" type="checkbox"/>	<input type="checkbox"/>
ProductCategory		<input checked="" type="checkbox"/>	<input type="checkbox"/>

## CLICKLESS ANALYTICS—SPECIFY SYNONYMS FOR A COLUMN

5. Select the checkbox under the **AUTO SYNONYMS** column if you want to enable auto synonyms for the dataset columns.

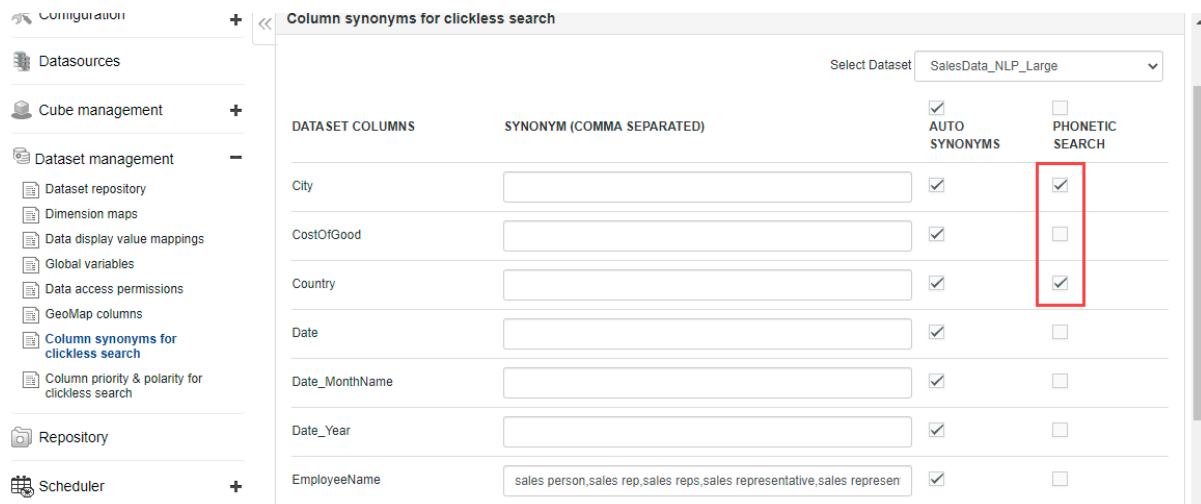
The system uses the synonyms specified in the Synonym system definition file.

DATASET COLUMNS	SYNONYM (COMMA SEPARATED)	<input checked="" type="checkbox"/> AUTO SYNONYMS	<input checked="" type="checkbox"/> PHONETIC SEARCH
ActiveCases		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Cured_Discharged_Migrated	recovered	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Date		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Date_DAYOFMONTH		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Date_MONTH		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Date_MonthName		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Date_WEEKOFMONTH		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

## CLICKLESS ANALYTICS—ENABLE AUTO SYNONYMS FOR A COLUMN

6. Select the checkbox under the **PHONETIC SEARCH** column for the columns for which you want to enable a phonetic search.

The phonetic search enables the system to match terms that sound similar. For example, phonix, phoenix, sells, and sales.



CLICKLESS ANALYTICS—ENABLE PHONETIC SEARCH FOR A COLUMN

7. Click **SAVE**.

### 3.3.2 Specify Column Priority for a Dataset

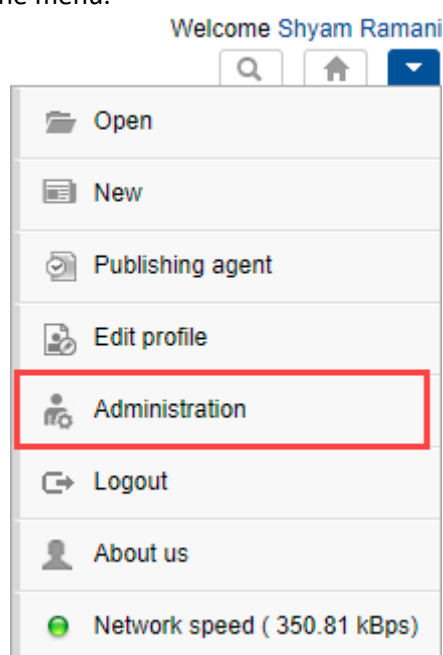
When the system processes the query and finds multiple columns for a specific token, it is necessary for the system to identify the most important column and use that in resolving the query. Setting a priority for columns helps the system identify the most important column from the identified columns and provide accurate results.

#### About this task

Use this task to specify column priority for a dataset that is enabled for Clickless Analytics.

#### Procedure

1. Click **Administration** from the menu.



MENU OPTION—ADMINISTRATION

The system displays the **Administration** page.

- Configuration
- Datasources
- Cube management
- Dataset management
  - Dataset repository
  - Dimension maps
  - Data display value mappings
  - Global variables
  - Data access permissions
  - GeoMap columns
  - Column synonyms for clickless search
  - Column priority & polarity for clickless search
- Repository
- Scheduler

#### Environment information

##### LICENSE INFORMATION

Version 5.1.3  
 Licensed to NLP AWS Demo Server [ Evaluation Version ]  
 Number of users 50

	POWER USERS	USERS	PUBLISH ONLY USERS	SSDP	PREDICTIVE POWER	PREDICTIVE VIEW ONLY
BI	50	50	50	50	50	50

Number of admin users Unlimited  
 Maximum Records Limit Unlimited  
 Number of Datasource(s) Unlimited  
 API Access Yes  
 Mac address 02:e0:79:ca:20:cc  
 Expiry date 05-Sep-2021

REFRESH LICENSE INFORMATION

##### JAVA VIRTUAL MACHINE

Java version 1.8.0\_202

#### CLICKLESS ANALYTICS—ADMINISTRATION PAGE

- In **Dataset management**, click **Column priority & polarity for clickless search**.  
 The system displays the **Column priority & polarity for clickless search** screen.

- Configuration
- Datasources
- Cube management
- Dataset management
  - Dataset repository
  - Dimension maps
  - Data display value mappings
  - Global variables
  - Data access permissions
  - GeoMap columns
  - Column synonyms for clickless search
  - Column priority & polarity for clickless search
- Repository
- Scheduler

#### Column priority & polarity for clickless search

Column type All Select Dataset DT\_Covid-19\_India

DATASET COLUMNS	COLUMN PRIORITY	POLARITY	DEFAULT AGGREGATION
ActiveCases (integer)	1	<input checked="" type="radio"/> Higher the Better <input type="radio"/> Lower the Better	Sum
Cured_Discharged_Migrated (integer)	4	<input checked="" type="radio"/> Higher the Better <input type="radio"/> Lower the Better	Sum
Date (timestamp)	0		
Date_DAYOFMONTH (integer)	5		
Date_MONTH (integer)	0		
Date_MonthName (string)	0		
Date_WEEKOFMONTH (integer)	0		
Date_YFAR (integer)	0		

#### CLICKLESS ANALYTICS—COLUMN PRIORITY AND POLARITY FOR CLICKLESS SEARCH SCREEN

- Select the dataset for which you want to specify column priority from the **Select Dataset** list.



Configuration + << Column priority & polarity for clickless search

Column type: All Select Dataset: DT\_Covid-19\_India

DATASET COLUMNS	COLUMN PRIORITY	POLARITY	DEFAULT AGGREGATION
ActiveCases (integer)	1	<input checked="" type="radio"/> Higher the Better <input type="radio"/> Lower the Better	Sum
Cured_Discharged_Migrated (integer)	4	<input checked="" type="radio"/> Higher the Better <input type="radio"/> Lower the Better	Sum
Date (timestamp)	0		
Date_DAYOFMONTH (integer)	5		
Date_MONTH (integer)	0		
Date_MonthName (string)	0		
Date_WEEKOFMONTH (integer)	0		
Date_YFAR (integer)	0		

### CLICKLESS ANALYTICS—SELECT DATASET FOR COLUMN PRIORITY

4. Select the **All**, **Dimensions**, or **Measures** option from the **Column type** list to display that type of column for which you want to specify column priority.

Configuration + << Column priority & polarity for clickless search

Column type: All Select Dataset: DT\_Covid-19\_India

DATASET COLUMNS	COLUMN PRIORITY	POLARITY	DEFAULT AGGREGATION
ActiveCases (integer)	1	<input checked="" type="radio"/> Higher the Better <input type="radio"/> Lower the Better	Sum
Cured_Discharged_Migrated (integer)	4	<input checked="" type="radio"/> Higher the Better <input type="radio"/> Lower the Better	Sum
Date (timestamp)	0		
Date_DAYOFMONTH (integer)	5		
Date_MONTH (integer)	0		
Date_MonthName (string)	0		
Date_WEEKOFMONTH (integer)	0		
Date_YFAR (integer)	0		

### CLICKLESS ANALYTICS—SELECT COLUMN TYPE

5. Enter a numeric value in the **COLUMN PRIORITY** fields for each **DATASET COLUMN** to specify priority for those columns.

For example, there are two columns in the dataset: “SalesAmount” and “SalesQty,” and the user has entered a query, such as “Sales of 2020.” For “Sales” token, the system identified two columns: Salesamount and Salesqty. If column priority of these columns is set as 1 for SalesAmount and 2 for SalesQty respectively, the system will select the Salesamount column for “Sales” token and show the salesamount in the result. If more than one column has the same priority number, for example, priority set for “SalesAmount” and “SalesQty” is 1, the system will select both columns for “Sales” token and show salesamount and sales quantity in the result. If you have not set priority for the columns in a dataset, the system automatically selects the

column with higher density (higher number of unique values).

Column type: All Select Dataset: DT\_Covid-19\_India

DATASET COLUMNS	COLUMN PRIORITY	POLARITY	DEFAULT AGGREGATION
ActiveCases (integer)	1	<input checked="" type="radio"/> Higher the Better <input type="radio"/> Lower the Better	Sum
Cured_Discharged_Migrated (integer)	4	<input checked="" type="radio"/> Higher the Better <input type="radio"/> Lower the Better	Sum
Date (timestamp)	0		
Date_DAYOFMONTH (integer)	5		
Date_MONTH (integer)	0		
Date_MonthName (string)	0		
Date_WEEKOFMONTH (integer)	0		
Date_YEAR (integer)	0		

CLICKLESS ANALYTICS—SETTING COLUMN PRIORITY

6. Click **SAVE**.

### 3.3.3 Specify Default Aggregation on Measure Column

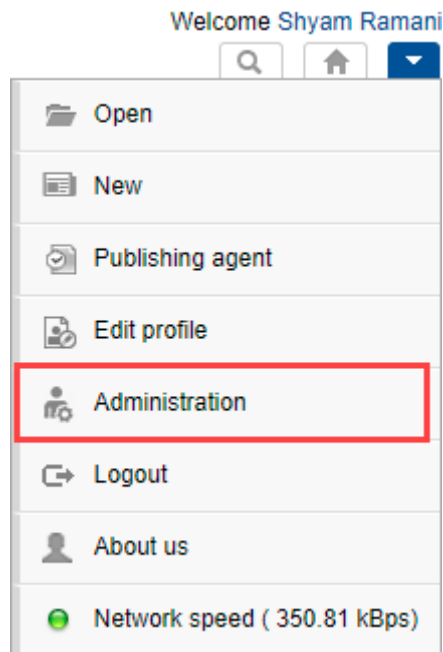
You can specify the aggregation for a measure column. By default, all measure columns are aggregated with the sum operation, but the sum operation may not be meaningful for aggregating some measure columns, for example, for measure UnitPrice. You can specify the appropriate default aggregation operation, and the system will consider this aggregation function for query results for that measure.

#### About this task

Use this task to specify default aggregation on the measure column in a dataset that is enabled for Clickless Analytics.

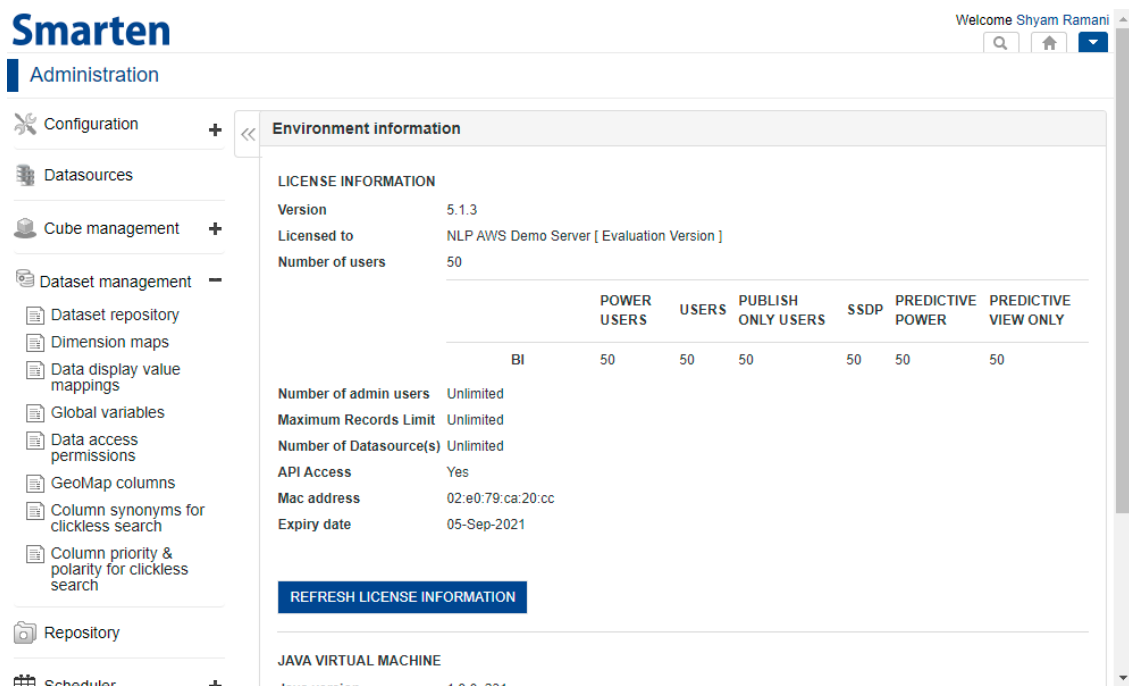
#### Procedure

1. Click **Administration** from the menu.



MENU OPTION—ADMINISTRATION

The system displays the **Administration** page.



CLICKLESS ANALYTICS—ADMINISTRATION PAGE

- In **Dataset management**, click **Column priority & polarity for clickless search**.  
The system displays the **Column priority & polarity for clickless search** screen.

Configuration + << Column priority & polarity for clickless search

Column type: All Select Dataset: DT\_Covid-19\_India

DATASET COLUMNS	COLUMN PRIORITY	POLARITY	DEFAULT AGGREGATION
ActiveCases (integer)	1	<input checked="" type="radio"/> Higher the Better <input type="radio"/> Lower the Better	Sum
Cured_Discharged_Migrated (integer)	4	<input checked="" type="radio"/> Higher the Better <input type="radio"/> Lower the Better	Sum
Date (timestamp)	0		
Date_DAYOFMONTH (integer)	5		
Date_MONTH (integer)	0		
Date_MonthName (string)	0		
Date_WEEKOFMONTH (integer)	0		
Date_YEAR (integer)	0		

CLICKLESS ANALYTICS—DEFAULT AGGREGATION FOR CLICKLESS SEARCH SCREEN

3. Select the dataset for which you want to specify default aggregation for measures from the **Select Dataset** list.

Configuration + << Column priority & polarity for clickless search

Column type: All Select Dataset: DT\_Covid-19\_India

DATASET COLUMNS	COLUMN PRIORITY	POLARITY	DEFAULT AGGREGATION
ActiveCases (integer)	1	<input checked="" type="radio"/> Higher the Better <input type="radio"/> Lower the Better	Sum
Cured_Discharged_Migrated (integer)	4	<input checked="" type="radio"/> Higher the Better <input type="radio"/> Lower the Better	Sum
Date (timestamp)	0		
Date_DAYOFMONTH (integer)	5		
Date_MONTH (integer)	0		
Date_MonthName (string)	0		
Date_WEEKOFMONTH (integer)	0		
Date_YEAR (integer)	0		

CLICKLESS ANALYTICS—SELECT DATASET FOR DEFAULT AGGREGATION

4. Select the **Measures** option from the **Column type** list to display the measure columns for which you want to specify column priority.

**Note:** You can specify default aggregation only for the measure columns available in the selected dataset.

Configuration

Datasources

Cube management

Dataset management

Dataset repository

Dimension maps

Data display value mappings

Global variables

Data access permissions

GeoMap columns

Column synonyms for clickless search

Column priority & polarity for clickless search

Repository

Scheduler

### Column priority & polarity for clickless search

Column type: All
Select Dataset: DT\_Covid-19\_India

DATASET COLUMNS	COLUMN PRIORITY	POLARITY	DEFAULT AGGREGATION
ActiveCases (integer)	1	<input checked="" type="radio"/> Higher the Better <input type="radio"/> Lower the Better	Sum
Cured_Discharged_Migrated (integer)	4	<input checked="" type="radio"/> Higher the Better <input type="radio"/> Lower the Better	Sum
Date (timestamp)	0		
Date_DAYOFMONTH (integer)	5		
Date_MONTH (integer)	0		
Date_MonthName (string)	0		
Date_WEEKOFMONTH (integer)	0		
Date_YFAR (integer)	0		

### CLICKLESS ANALYTICS—SELECT COLUMN TYPE

- Select an option from the list available under the **DEFAULT AGGREGATION** column to specify the default aggregation operator for that measure column.

The following options are available in the list:

- Sum
- Average
- Count
- Maximum
- Minimum
- First
- Last
- Most recent
- Least recent

**Note:** For Most recent and Least recent data operation, you need to specify default date dimension and aggregation.

Configuration + << Column priority & polarity for clickless search

Column type All Select Dataset DT\_Covid-19\_India

DATASET COLUMNS	COLUMN PRIORITY	POLARITY	DEFAULT AGGREGATION
ActiveCases (integer)	1	<input type="radio"/> Higher the Better <input checked="" type="radio"/> Lower the Better	Maximum
Confirmed_cases (integer)	2	<input type="radio"/> Higher the Better <input checked="" type="radio"/> Lower the Better	Sum
Cured_Discharged (integer)	3	<input checked="" type="radio"/> Higher the Better <input type="radio"/> Lower the Better	Sum
Date (timestamp)	0		

CLICKLESS ANALYTICS—SETTING DEFAULT AGGREGATION

6. Click **SAVE**.

### 3.3.4 Specify Measure Polarity

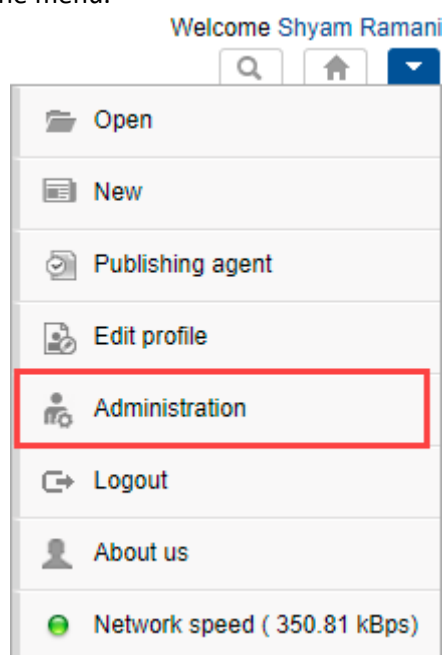
Polarity is used to determine if a high value or a low value is better for a column. For example, Profit measure has high polarity as a higher value is better. The Discount measure has low polarity as a lower value is better. You can specify the polarity of a measure column based on its nature.

#### About this task

Use this task to specify polarity of a measure column in a dataset that is enabled for Clickless Analytics.

#### Procedure

1. Click **Administration** from the menu.



MENU OPTION—ADMINISTRATION

The system displays the **Administration** page.

- Configuration
- Datasources
- Cube management
- Dataset management
  - Dataset repository
  - Dimension maps
  - Data display value mappings
  - Global variables
  - Data access permissions
  - GeoMap columns
  - Column synonyms for clickless search
  - Column priority & polarity for clickless search
- Repository
- Scheduler

#### Environment information

##### LICENSE INFORMATION

Version 5.1.3  
 Licensed to NLP AWS Demo Server [ Evaluation Version ]  
 Number of users 50

	POWER USERS	USERS	PUBLISH ONLY USERS	SSDP	PREDICTIVE POWER	PREDICTIVE VIEW ONLY
BI	50	50	50	50	50	50

Number of admin users Unlimited  
 Maximum Records Limit Unlimited  
 Number of Datasource(s) Unlimited  
 API Access Yes  
 Mac address 02:e0:79:ca:20:cc  
 Expiry date 05-Sep-2021

REFRESH LICENSE INFORMATION

##### JAVA VIRTUAL MACHINE

Java version 1.8.0\_202

#### CLICKLESS ANALYTICS—ADMINISTRATION PAGE

- In **Dataset management**, click **Column priority & polarity for clickless search**.  
 The system displays the **Column priority & polarity for clickless search** screen.

- Configuration
- Datasources
- Cube management
- Dataset management
  - Dataset repository
  - Dimension maps
  - Data display value mappings
  - Global variables
  - Data access permissions
  - GeoMap columns
  - Column synonyms for clickless search
  - Column priority & polarity for clickless search
- Repository
- Scheduler

#### Column priority & polarity for clickless search

Column type All Select Dataset DT\_Covid-19\_India

DATASET COLUMNS	COLUMN PRIORITY	POLARITY	DEFAULT AGGREGATION
ActiveCases (integer)	1	<input checked="" type="radio"/> Higher the Better <input type="radio"/> Lower the Better	Sum
Cured_Discharged_Migrated (integer)	4	<input checked="" type="radio"/> Higher the Better <input type="radio"/> Lower the Better	Sum
Date (timestamp)	0		
Date_DAYOFMONTH (integer)	5		
Date_MONTH (integer)	0		
Date_MonthName (string)	0		
Date_WEEKOFMONTH (integer)	0		
Date_YFAR (integer)	0		

#### CLICKLESS ANALYTICS—MEASURE POLARITY FOR CLICKLESS SEARCH SCREEN

- Select the dataset for which you want to specify polarity for the measure column from the **Select Dataset** list.

Configuration + << Column priority & polarity for clickless search

Column type All Select Dataset DT\_Covid-19\_India

DATASET COLUMNS	COLUMN PRIORITY	POLARITY	DEFAULT AGGREGATION
ActiveCases (integer)	1	<input checked="" type="radio"/> Higher the Better <input type="radio"/> Lower the Better	Sum
Cured_Discharged_Migrated (integer)	4	<input checked="" type="radio"/> Higher the Better <input type="radio"/> Lower the Better	Sum
Date (timestamp)	0		
Date_DAYOFMONTH (integer)	5		
Date_MONTH (integer)	0		
Date_MonthName (string)	0		
Date_WEEKOFMONTH (integer)	0		
Date_YFAR (integer)	0		

### CLICKLESS ANALYTICS—SELECT DATASET FOR MEASURE POLARITY

- Select the **Measures** option from the **Column type** list to display the measure columns for which you want to specify column priority.

Note: You can specify polarity only for measure columns available in the selected dataset.

Configuration + << Column priority & polarity for clickless search

Column type All Select Dataset DT\_Covid-19\_India

DATASET COLUMNS	COLUMN PRIORITY	POLARITY	DEFAULT AGGREGATION
ActiveCases (integer)	1	<input checked="" type="radio"/> Higher the Better <input type="radio"/> Lower the Better	Sum
Cured_Discharged_Migrated (integer)	4	<input checked="" type="radio"/> Higher the Better <input type="radio"/> Lower the Better	Sum
Date (timestamp)	0		
Date_DAYOFMONTH (integer)	5		
Date_MONTH (integer)	0		
Date_MonthName (string)	0		
Date_WEEKOFMONTH (integer)	0		
Date_YFAR (integer)	0		

### CLICKLESS ANALYTICS—SELECT COLUMN TYPE

- Select the **Higher the Better** option or the **Lower the Better** option to specify polarity for that measure column.



Configuration + << Column priority & polarity for clickless search

Column type All Select Dataset DT\_Covid-19\_India

DATASET COLUMNS	COLUMN PRIORITY	POLARITY	DEFAULT AGGREGATION
ActiveCases (integer)	1	<input type="radio"/> Higher the Better <input checked="" type="radio"/> Lower the Better	Maximum
Confirmed_cases (integer)	2	<input type="radio"/> Higher the Better <input checked="" type="radio"/> Lower the Better	Sum
Cured_Discharged (integer)	3	<input checked="" type="radio"/> Higher the Better <input type="radio"/> Lower the Better	Sum
Date (timestamp)	0		

### CLICKLESS ANALYTICS—SETTING MEASURE POLARITY

- Click **SAVE**.

## 4 Search using Clickless Analytics

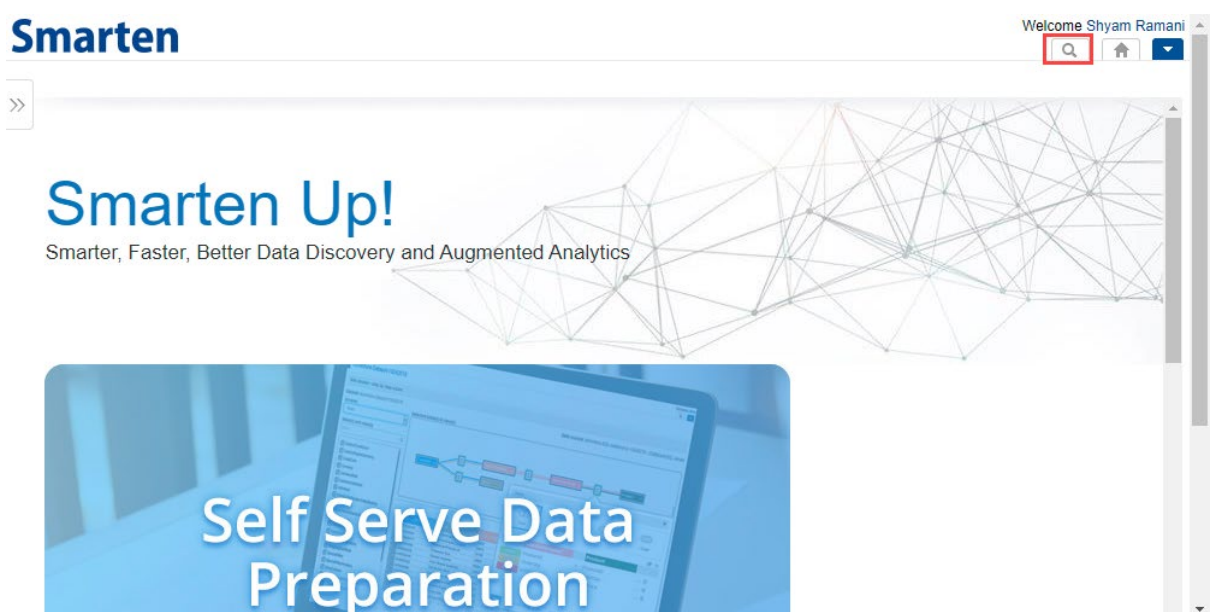
You can use the natural language query to perform a search using Clickless Analytics. For example, if you want to know which salesman sold the most cakes in 2019, you can just type “Who sold most cakes in 2019” in the search field, and Clickless Analytics will show the results.

### About this task

Use this task to search for any data using Clickless Analytics.

### Procedure

- Click the search icon on the toolbar.



### SEARCH USING CLICKLESS ANALYTICS—SEARCH ICON

The system displays the **Search** page.

Smarten

Welcome Shyam Ramani



▼ It's Simple... Type Your Question and Smarten Up!

## CLICKLESS ANALYTICS—SEARCH PAGE

- Click the down arrow to select the dataset for which you want to perform the search.

Note: Only datasets for which Clickless Analytics is enabled appear in the list. By default, the dataset you have selected in the previous query is selected.

Smarten

Welcome Shyam Ramani



▼ It's Simple... Type Your Question and Smarten Up!

## CLICKLESS ANALYTICS—SELECT DATASET FOR SEARCHING

- Type the query in natural language to search the required data in the search field, and then press Enter key.

The system displays the autosuggestions when you start typing the query.

who

who sold most cakes in 2016

who sold most cakes in in 2016

who sold most cakes in phoenix in 2016

whose

who

whom

wholly

whole

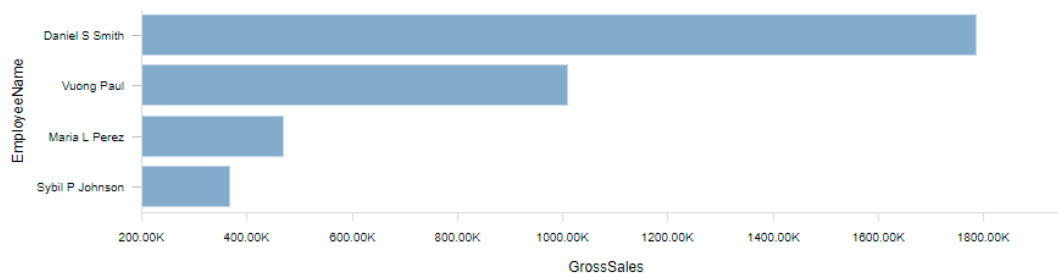
wholesale

### CLICKLESS ANALYTICS—SEARCH QUERY

The system retrieves data from the selected dataset based on your search query and creates an appropriate visualization based on the result retrieved and displays the visualization.

who sold most cakes in phoenix in 2016

EmployeeName  
Daniel S Smith



### CLICKLESS ANALYTICS—RESULT FOR THE SEARCH QUERY

## 5 Analyze and use Clickless Analytics Results

You can modify the results by updating various configurations for visualizations, filters, breakdown columns, and ranks. Based on the changes you make, the system updates the search results and the visualization.

## 5.1 Change the Visualization

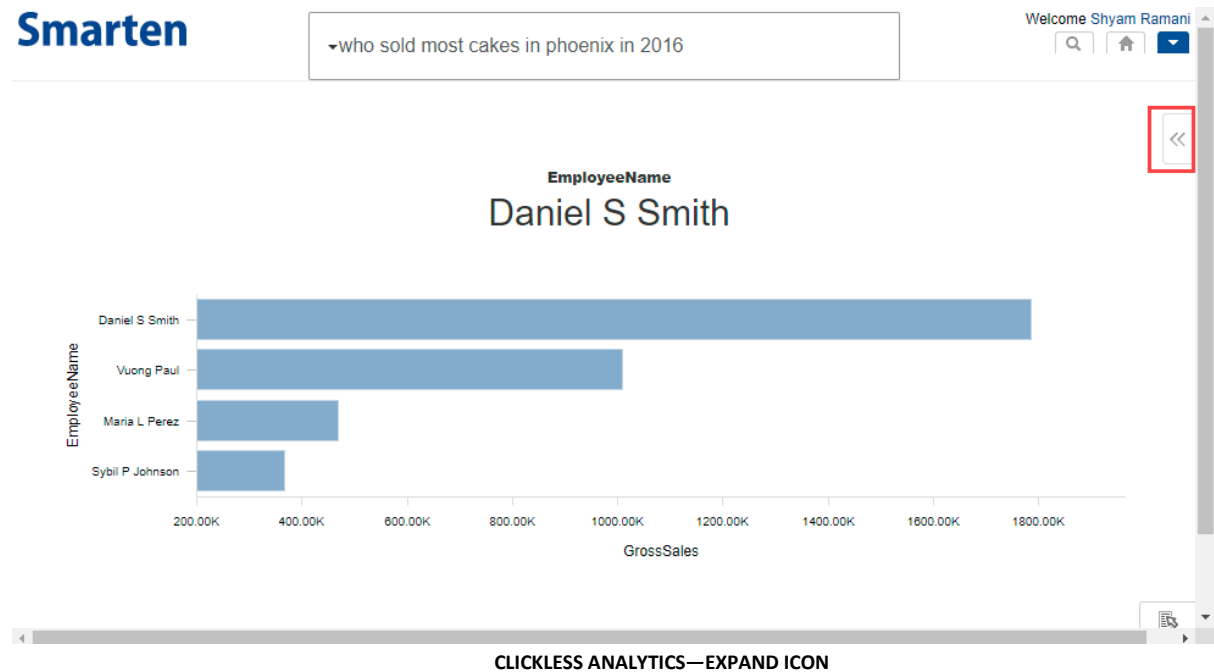
The system automatically chooses the visualization that is best suited to represent the search result. You can change the visualization based on your requirements.

### About this task

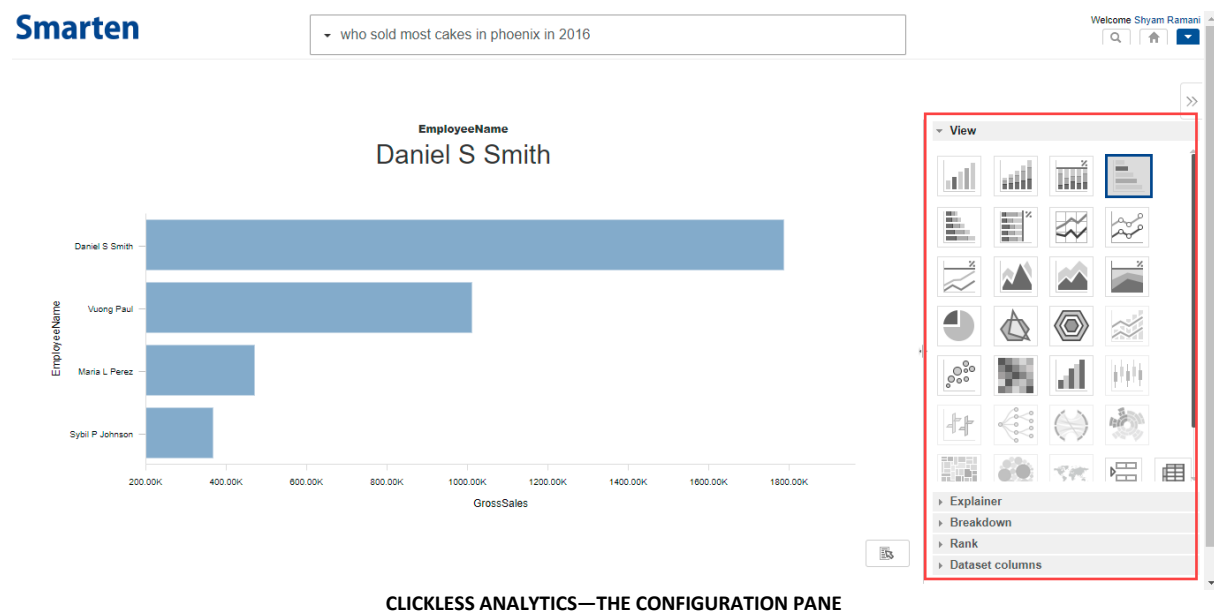
Use this task to change the visualization of the search result generated by Clickless Analytics.

### Procedure

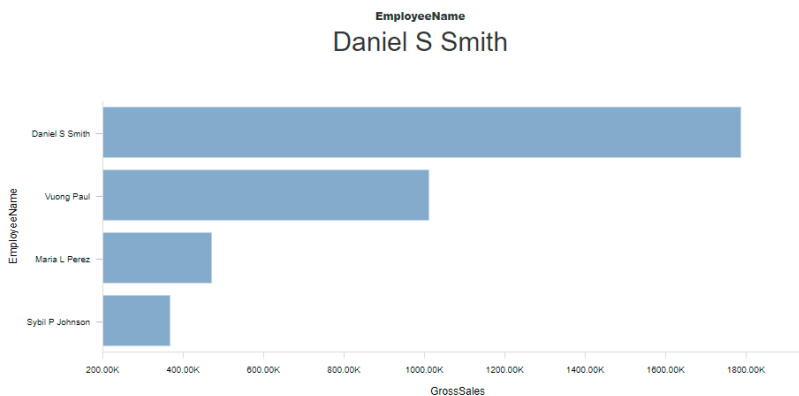
1. Click the expand icon on the search result page.



The system displays the configuration pane.

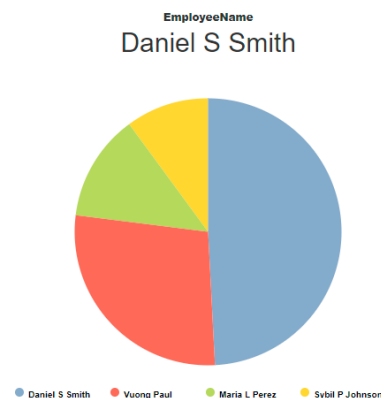


2. From the **View** tab, select the visualization you want to apply for the search result.



## CLICKLESS ANALYTICS—CHANGE VISUALIZATION

The system updates the search result with the new visualization.



## CLICKLESS ANALYTICS—UPDATED VISUALIZATION FOR SEARCH RESULT

## 5.2 View & Modify Search Result

You can view how the query has been interpreted by Smarten and also modify the search result based on your requirements by disabling a column or by updating a value of the column used in the query.

### 5.2.1 Explainer—Query Translation

The explainer section shows how the natural query is translated for query to the dataset. For example, if you have used the “who sold most cakes in phoenix in 2016” query, the explainer translates it as shown below:

Word in the query	Translated to in the explainer
Who	EmployeeName dimension column
Sold	Sum of the GrossSale dimension column. The aggregation specified for the dimension column in the dataset is applied. In this example, Sum aggregation is specified.
Most	Translated to the Rank that is applied on the resultant data
In	Translated to "INCLUDE," which narrows down the resultant data based on the value specified in the query. In the above example, the resultant data is narrowed down for one particular city "Phoenix" from the City dimension column.
In	In the above example, the second instance is used to narrow down the resultant data, which is further narrowed down for a specific year "2016."

## 5.2.2 Disable a Column used in the Query

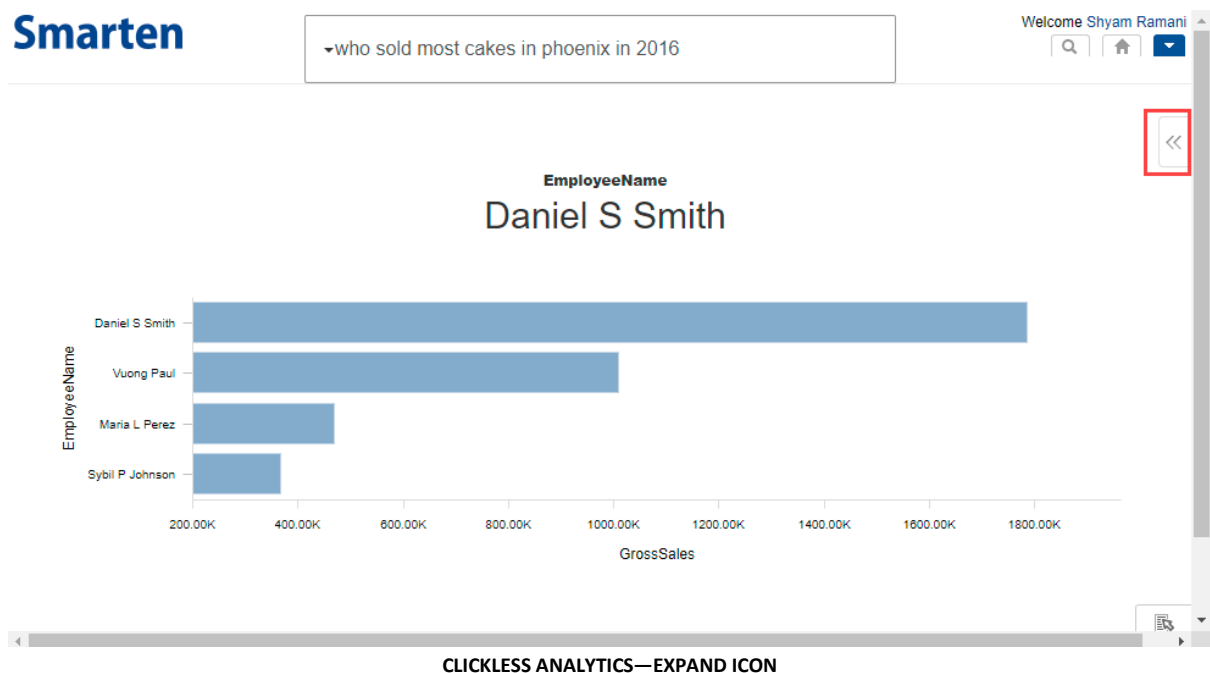
You can disable a column that is used in the query to modify the search result.

### About this task

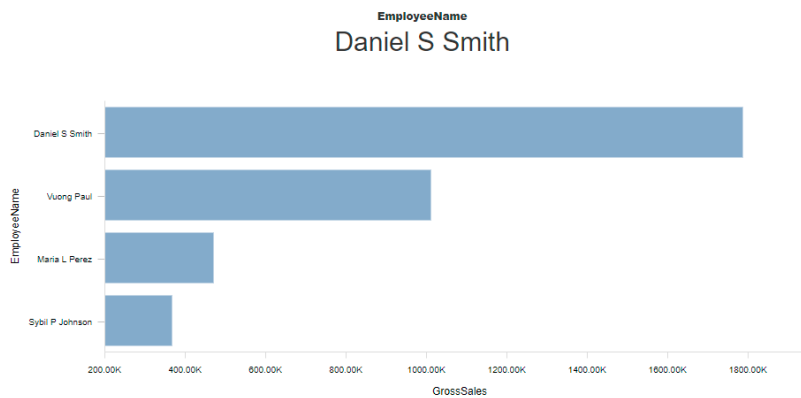
Use this task to disable a column that is used in the query to modify the search result generated by Clickless Analytics.

### Procedure

1. Click the expand icon on the search result page.

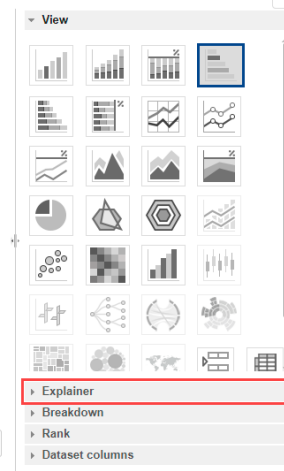
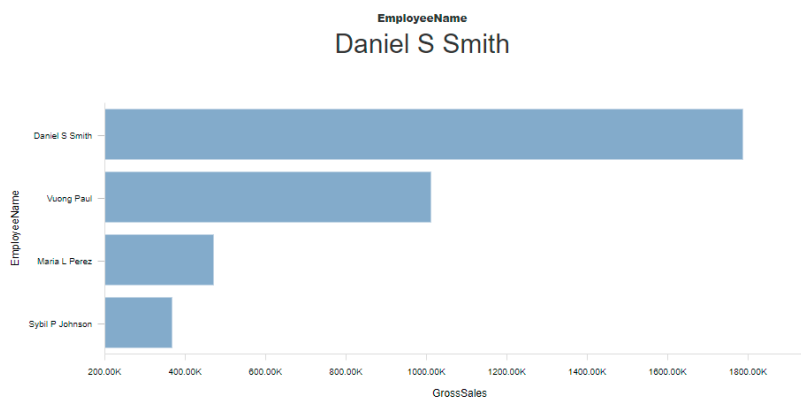


The system displays the configuration pane.



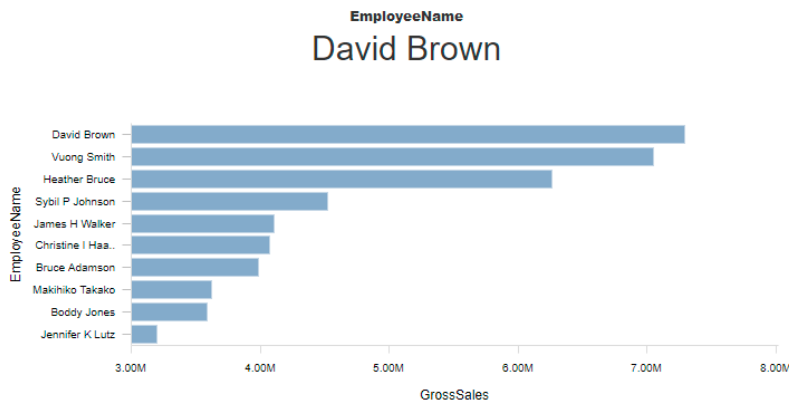
CLICKLESS ANALYTICS—THE CONFIGURATION PANE

2. Click the **Explainer** tab.



CLICKLESS ANALYTICS—EXPLAINER TAB

3. Click the visible icon next to the column you want to disable.



Results updated based on user changes in configuration panel

**View**

**Explainer**

who **EmployeeName** [D]

sold **Sum** of **GrossSales** [M]

most **Rank (Top)**

cakes **—**

in **INCLUDE**

phoenix **Phoenix** [D] of **City** [D]

in **INCLUDE**

2016 **2016** [D] of **Date\_YEAR** [D]

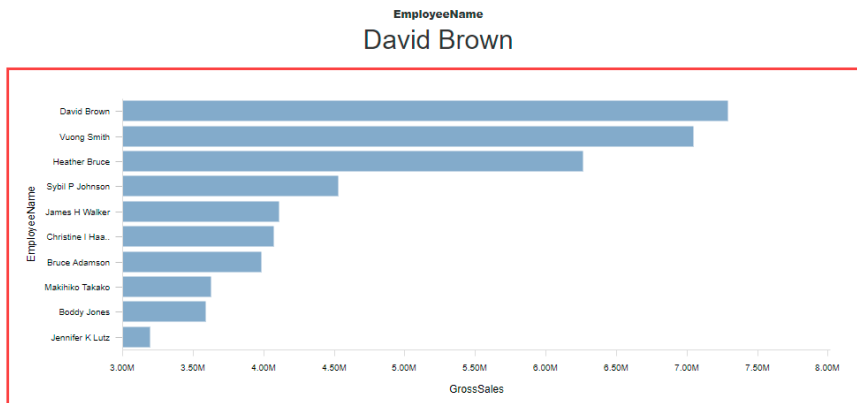
**Breakdown**

**Rank**

**Dataset columns**

### CLICKLESS ANALYTICS—DISABLE A COLUMN

The system updates the search result of the query based on the column you have disabled.



Results updated based on user changes in configuration panel

**View**

**Explainer**

who **EmployeeName** [D]

sold **Sum** of **GrossSales** [M]

most **Rank (Top)**

cakes **—**

in **INCLUDE**

phoenix **Phoenix** [D] of **City** [D]

in **INCLUDE**

2016 **2016** [D] of **Date\_YEAR** [D]

**Breakdown**

**Rank**

**Dataset columns**

### CLICKLESS ANALYTICS—UPDATED SEARCH RESULTS

## 5.2.3 Update Value of a Column used in the Query

You can update the value of a column that is used in the query to modify the search result.

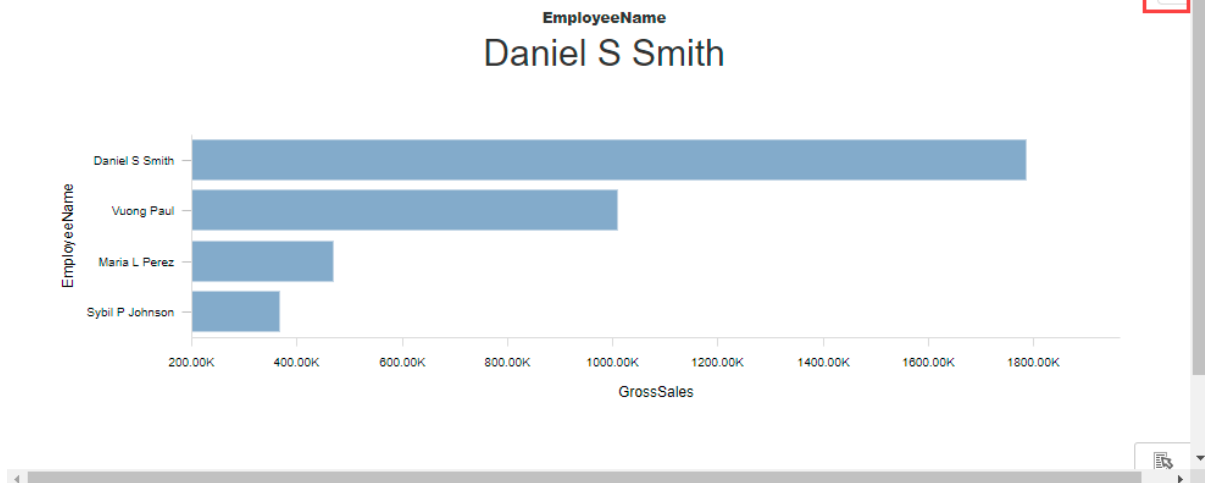
### About this task

Use this task to update the value of a column that is used in the query to modify the search result generated by Clickless Analytics.

### Procedure

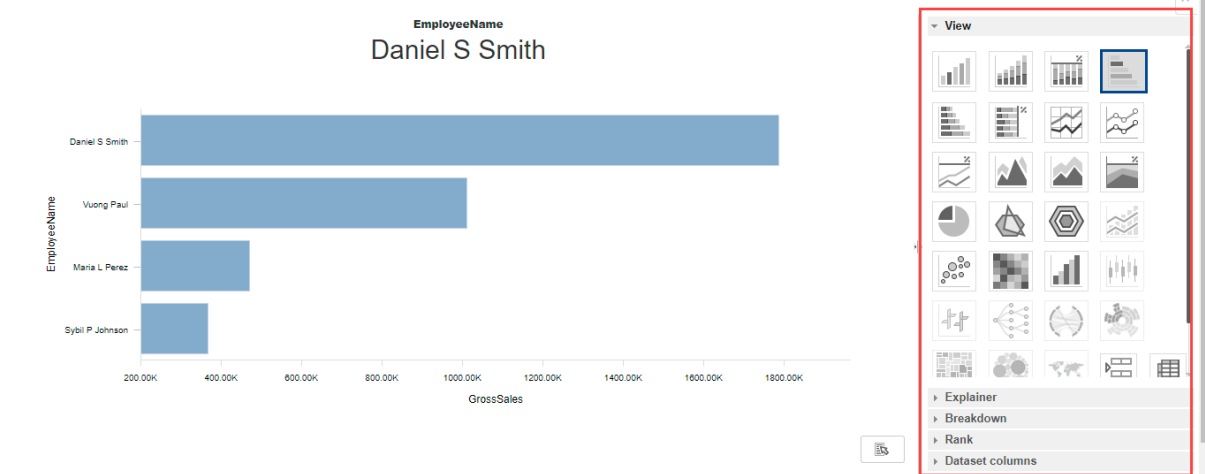
1. Click the expand icon on the search result page.





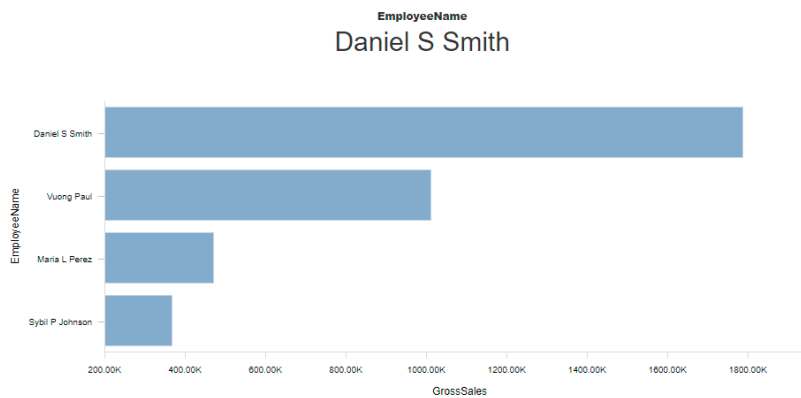
CLICKLESS ANALYTICS—EXPAND ICON

The system displays the configuration pane.



CLICKLESS ANALYTICS—THE CONFIGURATION PANE

2. Click the **Explainer** tab.



**View**

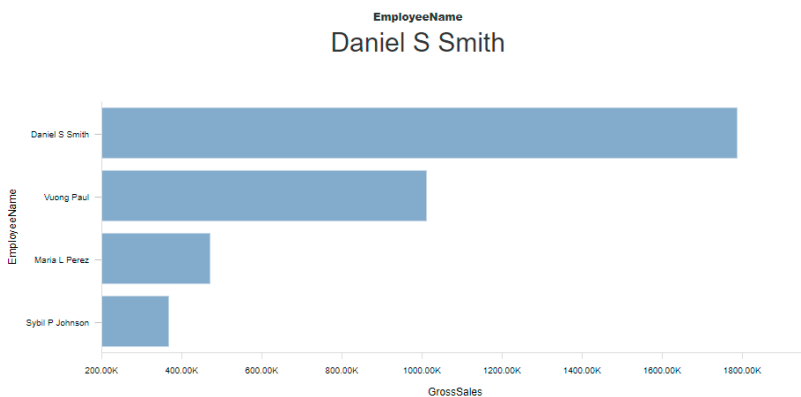
- Bar chart
- Line chart
- Area chart
- Stacked bar chart
- Waterfall chart
- Funnel chart
- Donut chart
- Scatter plot
- Heatmap
- Table
- Map
- Network diagram
- Flow diagram
- Timeline
- Calendar
- Form
- Table of contents
- Help

**Explainer**

- Breakdown
- Rank
- Dataset columns

## CLICKLESS ANALYTICS—EXPLAINER TAB

3. Update the value of what is used in the query.



**View**

- Bar chart
- Line chart
- Area chart
- Stacked bar chart
- Waterfall chart
- Funnel chart
- Donut chart
- Scatter plot
- Heatmap
- Table
- Map
- Network diagram
- Flow diagram
- Timeline
- Calendar
- Form
- Table of contents
- Help

**Explainer**

- who: EmployeeName
- sold: Sum of GrossSales
- most: Rank (Top)
- in: INCLUDE
- phoenix: Phoenix of City
- in: INCLUDE
- 2016: 2016 of Date\_YEAR

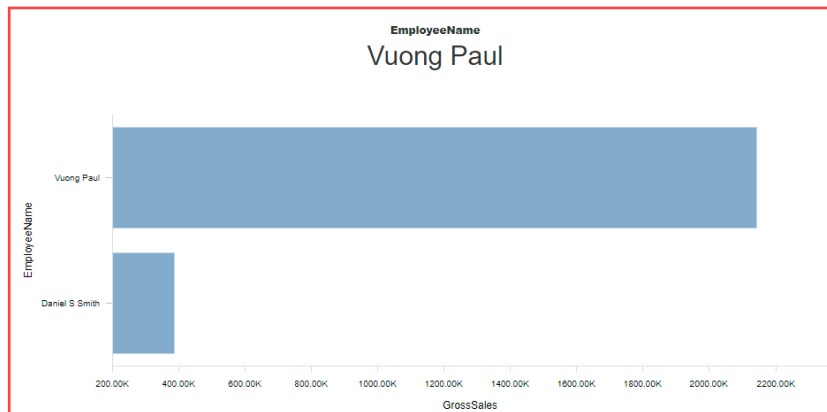
**Breakdown**

- Rank
- Dataset columns

Results updated based on user changes in configuration panel

## CLICKLESS ANALYTICS—UPDATE VALUE OF A COLUMN

The system updates the search result of the query based on the updated value of the column.



Results updated based on user changes in configuration panel

View

Explainer

who EmployeeName [D]

sold Sum of GrossSales [M]

most Rank (Top)

cakes —

in INCLUDE

phoenix Phoenix [D] of City [D]

in INCLUDE

2016 2016 [D] of Date\_YEAR [D]

Breakdown

Rank

Dataset columns

## CLICKLESS ANALYTICS—UPDATED SEARCH RESULTS

### 5.2.4 Update Aggregation

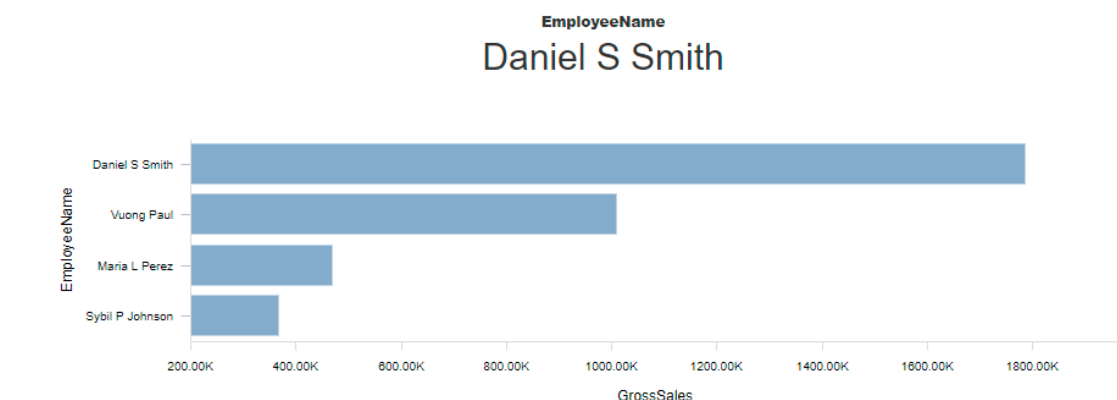
You can update the aggregation of a measure column that is used in the query to modify the search result.

#### About this task

Use this task to update the aggregation of a measure column that is used in the query to modify the search result generated by Clickless Analytics.

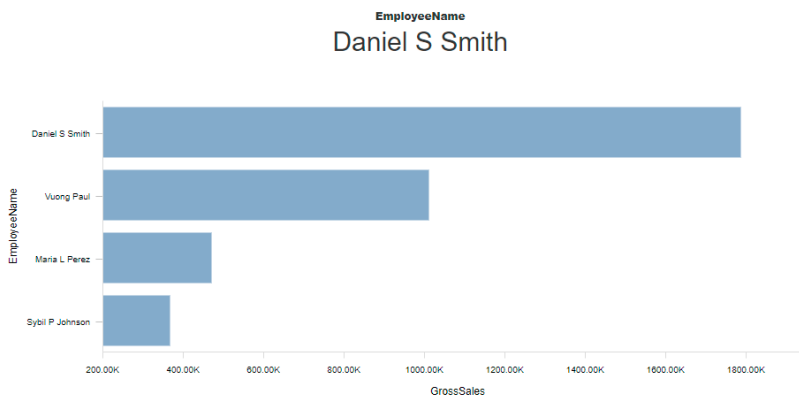
#### Procedure

1. Click the expand icon on the search result page.



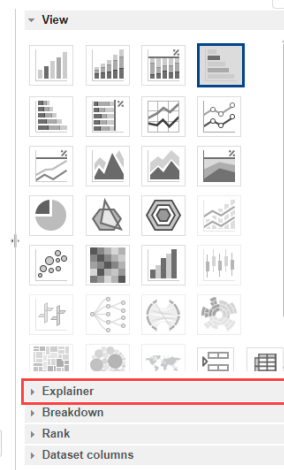
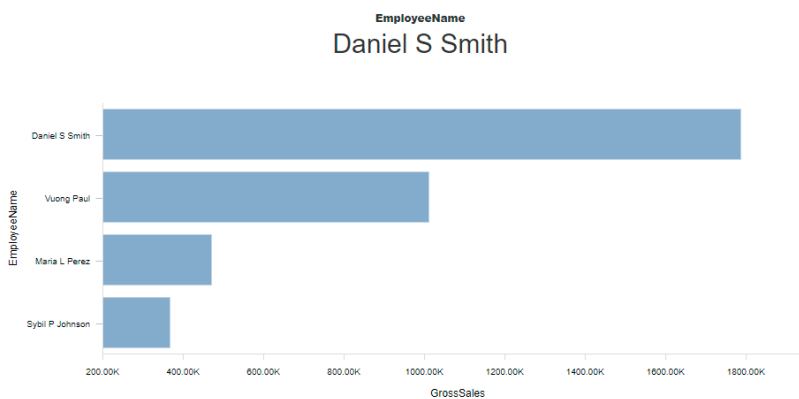
## CLICKLESS ANALYTICS—EXPAND ICON

The system displays the configuration pane.



CLICKLESS ANALYTICS—THE CONFIGURATION PANE

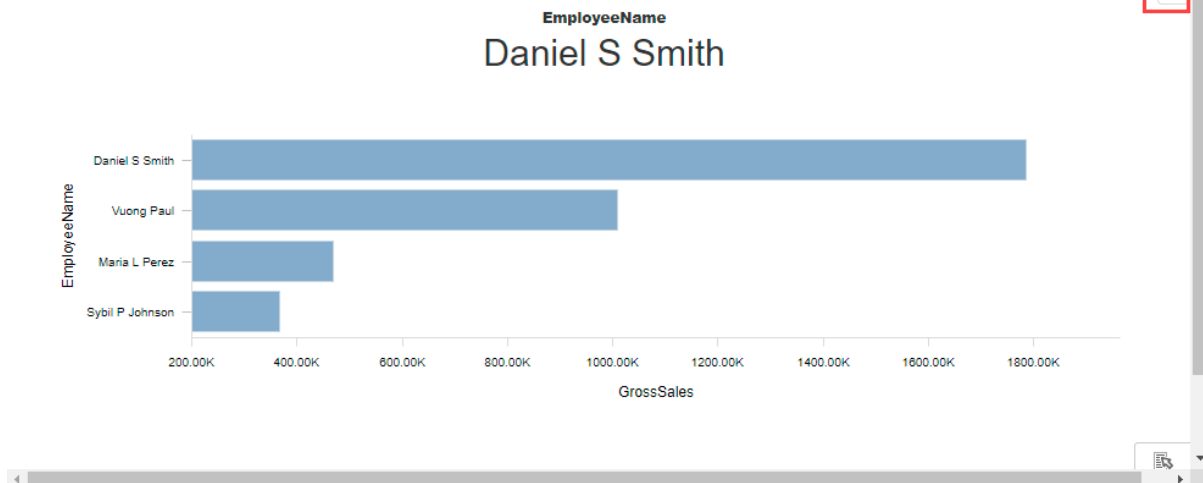
- Click the **Explainer** tab.



CLICKLESS ANALYTICS—EXPLAINER TAB

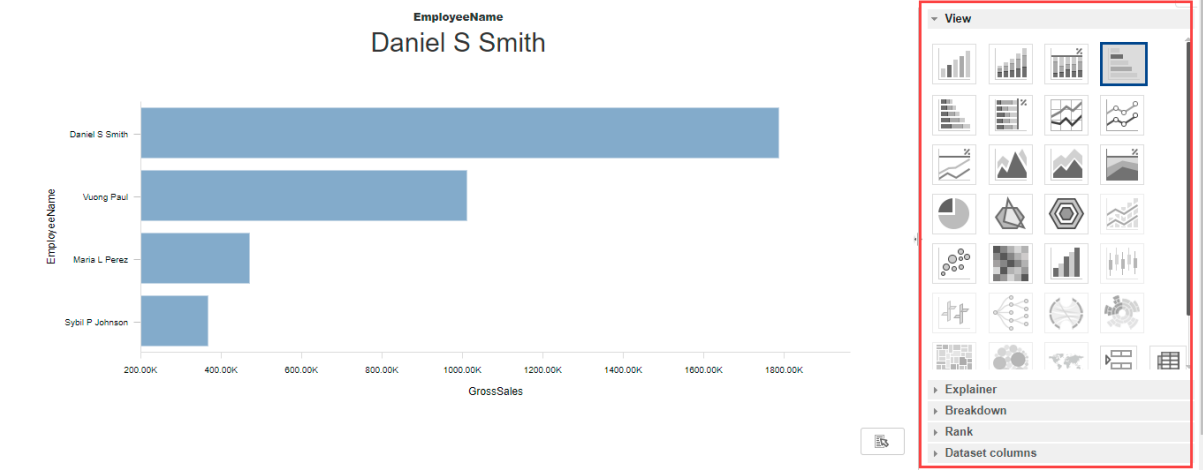
- The system applies aggregation by default, and you can update the aggregation applied on the measure column.





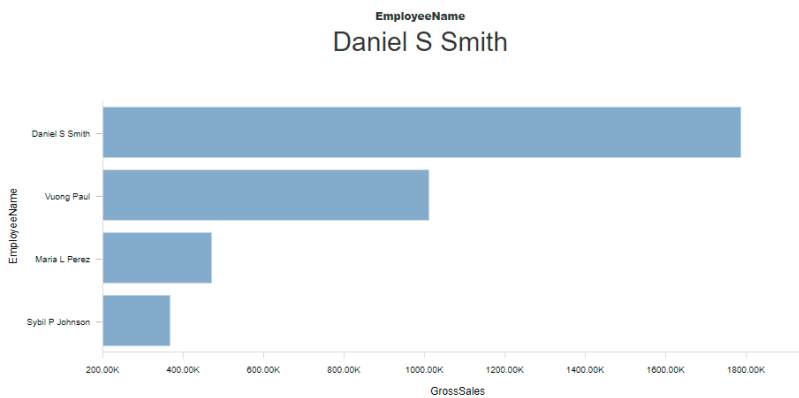
CLICKLESS ANALYTICS—EXPAND ICON

The system displays the configuration pane.



CLICKLESS ANALYTICS—THE CONFIGURATION PANE

2. Click the **Explainer** tab.



View

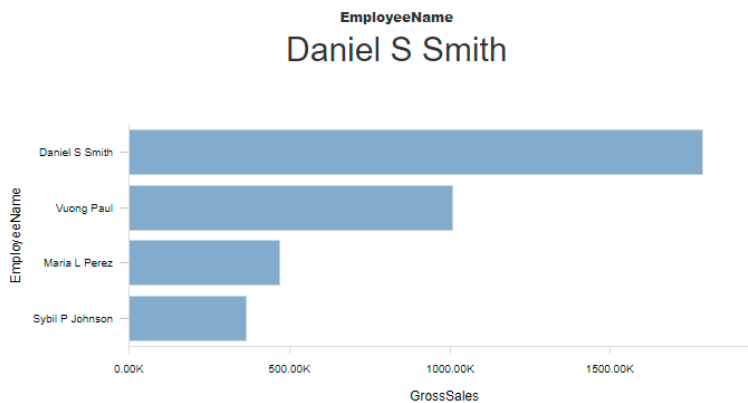
- Bar chart
- Line chart
- Area chart
- Table
- Map
- Scatter plot
- Funnel chart
- Donut chart
- Stacked bar chart
- Waterfall chart
- Heatmap
- Network diagram
- Flow diagram
- Timeline
- Calendar
- Table of contents
- Dataset columns

Explainer

- Breakdown
- Rank
- Dataset columns

CLICKLESS ANALYTICS—EXPLAINER TAB

- The system shows columns translated based on the natural query by default, and you can update the measure and dimension columns used in the query.



View

Explainer

EmployeeName [D]

Sum of

GrossSales [M]

GrossSales

GrossSales

CostofGoods

Price

SalesPrice

SalesQty

Target

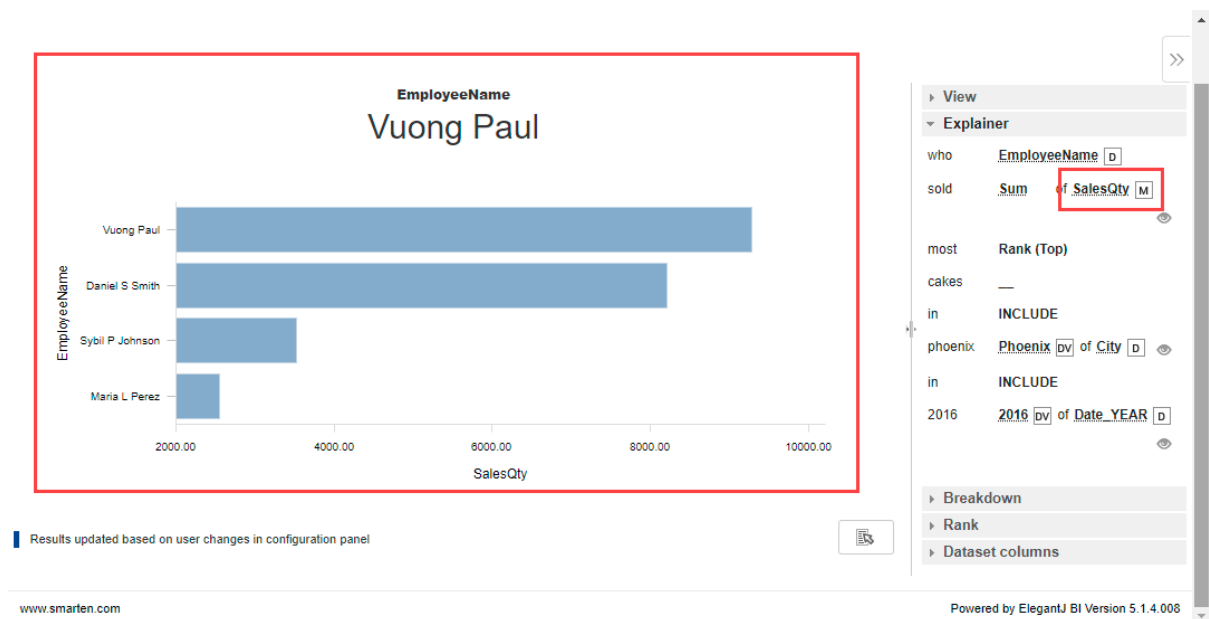
Breakdown

Rank

Dataset columns

CLICKLESS ANALYTICS—UPDATE MEASURE OR DIMENSION COLUMN

The system updates the search result of the query based on the updated value of the column.



## CLICKLESS ANALYTICS—UPDATED SEARCH RESULTS

### 5.3 Add Breakdown Columns in the Result

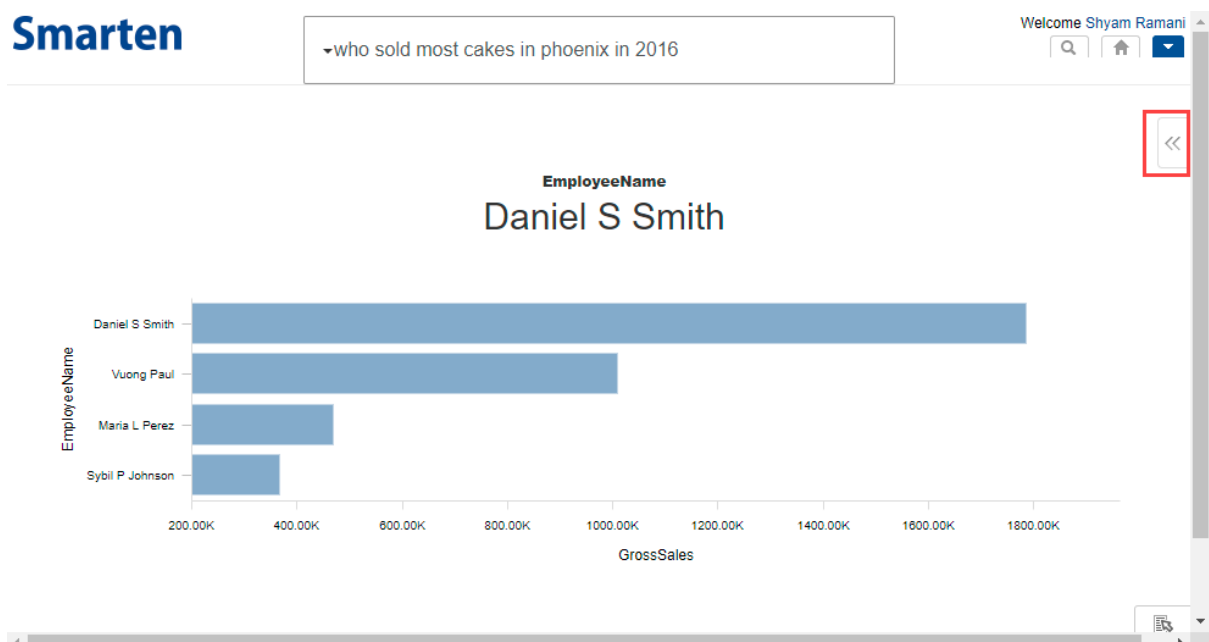
You can add more breakdown columns to the query you have used to search for the data.

#### About this task

Use this task to add breakdown columns used in the query used in Clickless Analytics.

#### Procedure

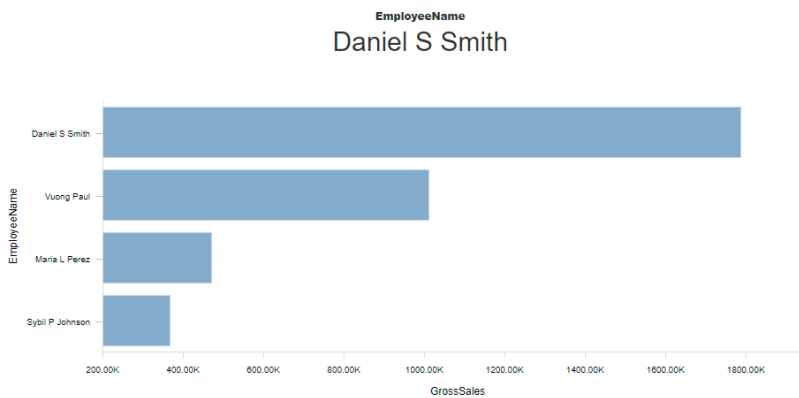
1. Click the expand icon on the search result page.



## CLICKLESS ANALYTICS—EXPAND ICON

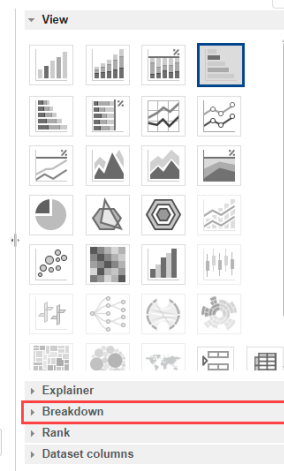
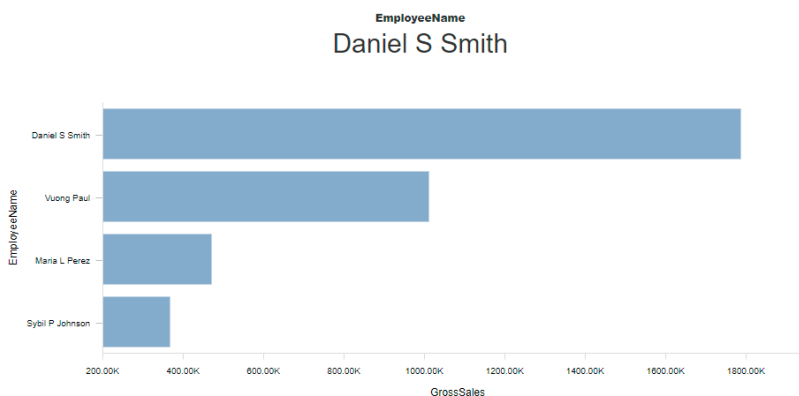
The system displays the configuration pane.





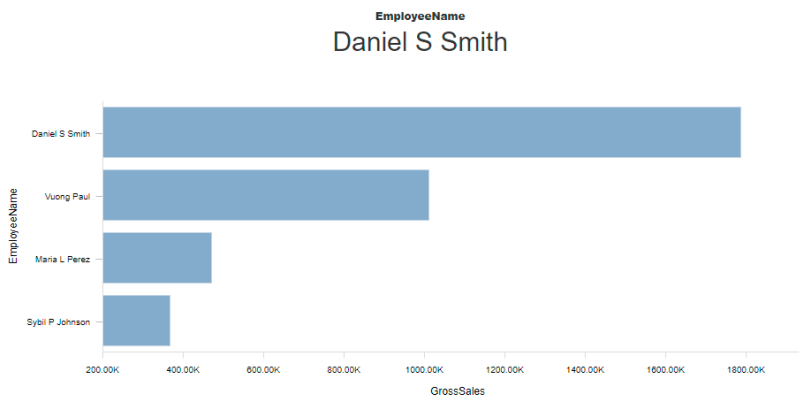
## CLICKLESS ANALYTICS—THE CONFIGURATION PANE

2. Click the **Breakdown** tab.



## CLICKLESS ANALYTICS—BREAKDOWN TAB

The system displays the available columns from the dataset.



Results updated based on user changes in configuration panel

**View**

**Explainer**

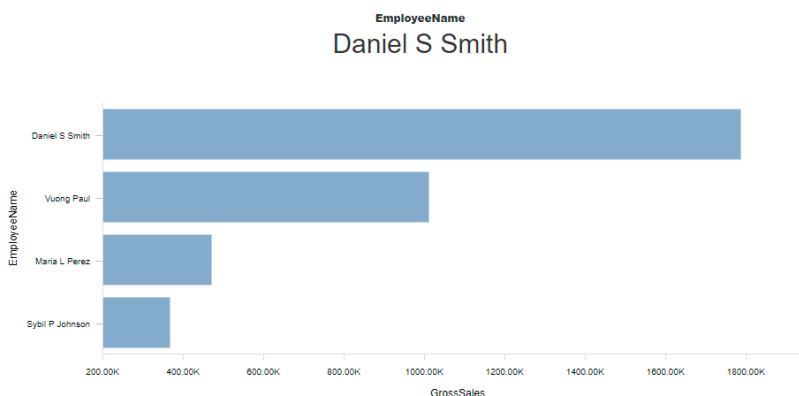
**Breakdown**

Available columns	Selected columns
City	EmployeeName
Date	
Date_MonthName	
Date_QUARTER	
Date_YEAR	
ProductCategory	
ProductName	
State	

APPLY

## CLICKLESS ANALYTICS—AVAILABLE COLUMNS FOR THE QUERY

3. Click the plus icon next to the columns that you want to add to the result.



Results updated based on user changes in configuration panel

**View**

**Explainer**

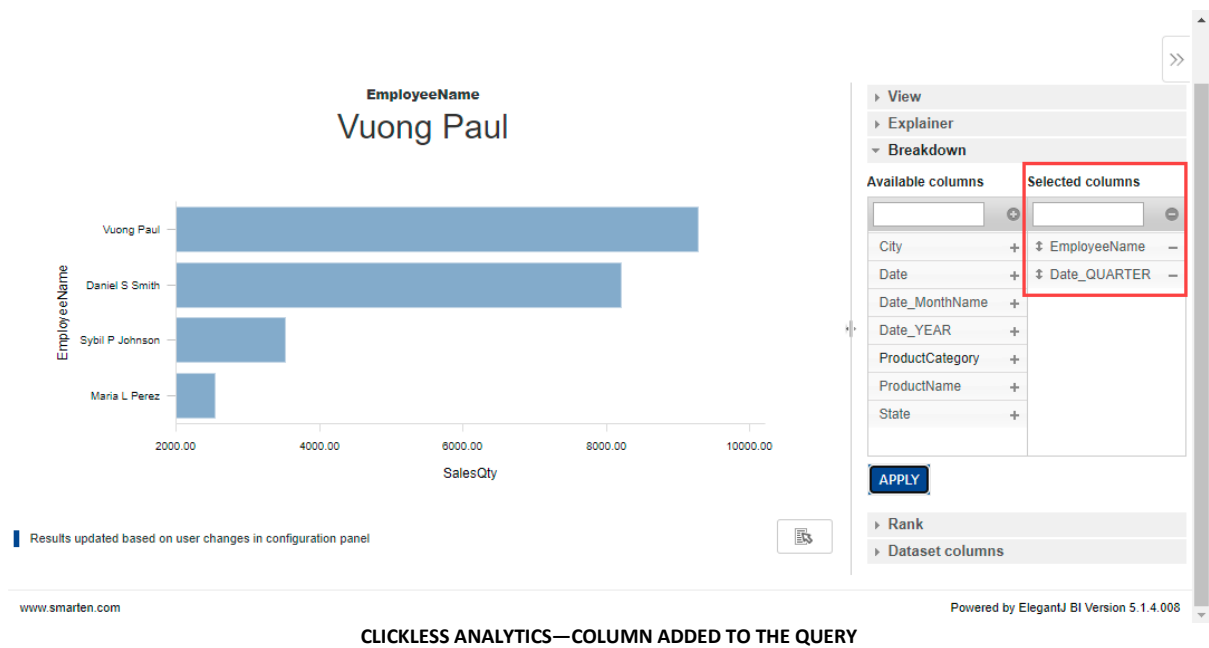
**Breakdown**

Available columns	Selected columns
City	EmployeeName
Date	
Date_MonthName	
Date_QUARTER	
Date_YEAR	
ProductCategory	
ProductName	
State	

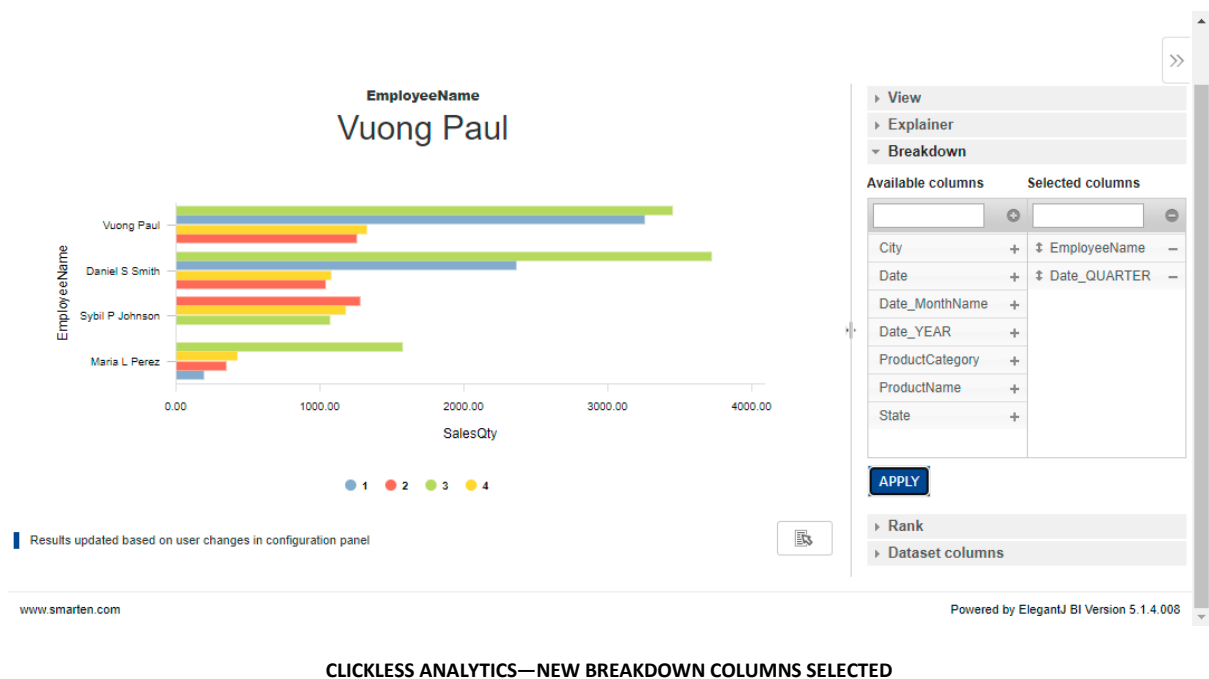
APPLY

## CLICKLESS ANALYTICS—ADDING A COLUMN

The system displays the selected columns in the **Selected columns** section.



The system updates the data based on the breakdown columns selected.



## 5.4 Update Ranks

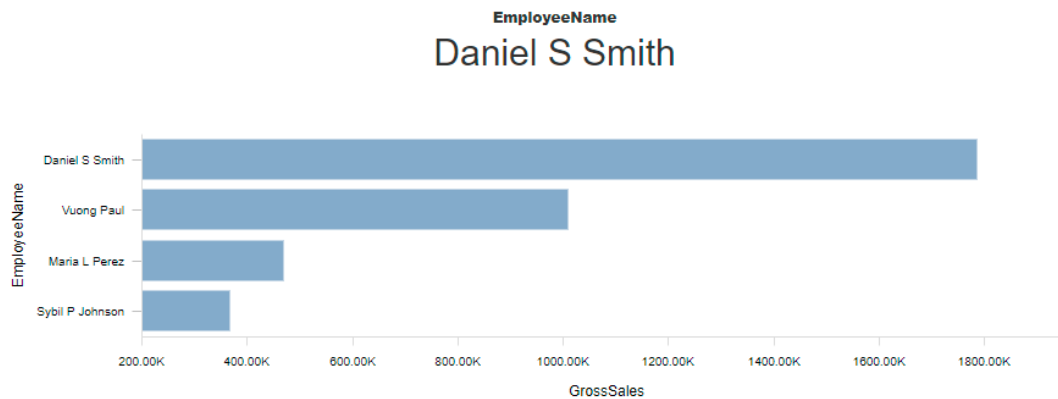
You can update the rank used in the search result and the measure column on which the rank is applied.

### About this task

Use this task to update the rank and the measure column used in the search result to modify the search result generated by Clickless Analytics.

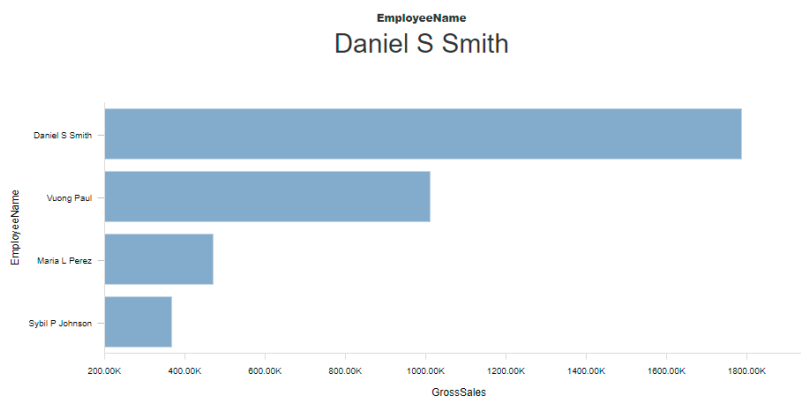
### Procedure

1. Click the expand icon on the search result page.



CLICKLESS ANALYTICS—EXPAND ICON

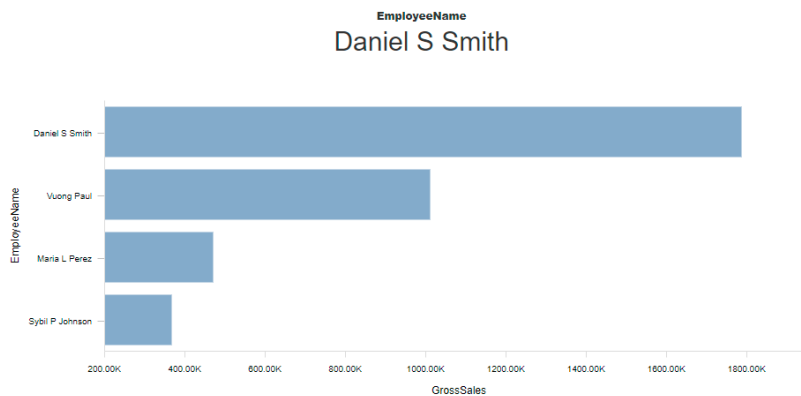
The system displays the configuration pane.



CLICKLESS ANALYTICS—THE CONFIGURATION PANE



2. Click the **Rank** tab.



View

Explainer

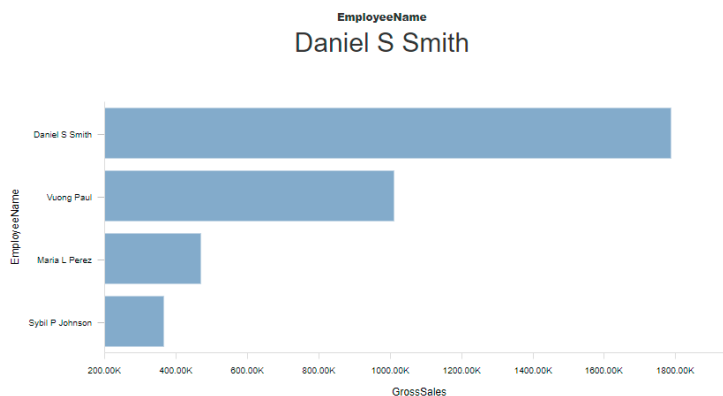
Breakdown

**Rank**

Dataset columns

CLICKLESS ANALYTICS—RANK TAB

The system displays the **Rank** tab with applied ranks in the query result.



View

Explainer

Breakdown

**Rank**

Dimension	Measure	Rank	Entries
EmployeeName	GrossSales	Top	10

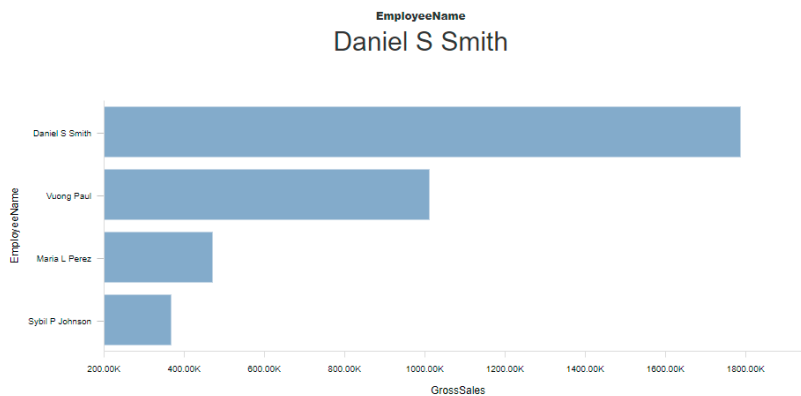
APPLY

Dataset columns

Results updated based on user changes in configuration panel

CLICKLESS ANALYTICS—RANK LIST

3. You can select any of the following options to update the rank criteria applied on the query result:
  - a. **Dimension column:** Select another dimension column to change the dimension column used to apply rank.
  - b. **Measure column:** Select a measure column to change the measure column used in the query.
  - c. **Rank:** Select an option from the list to update the rank used in the query.
  - d. **Number of entries:** Select an option to specify the number of entries to be displayed in the search result.



View

Explainer

Breakdown

Rank

Dimension: Product

Measure: GrossS

Top: 10

APPLY

None

GrossSales

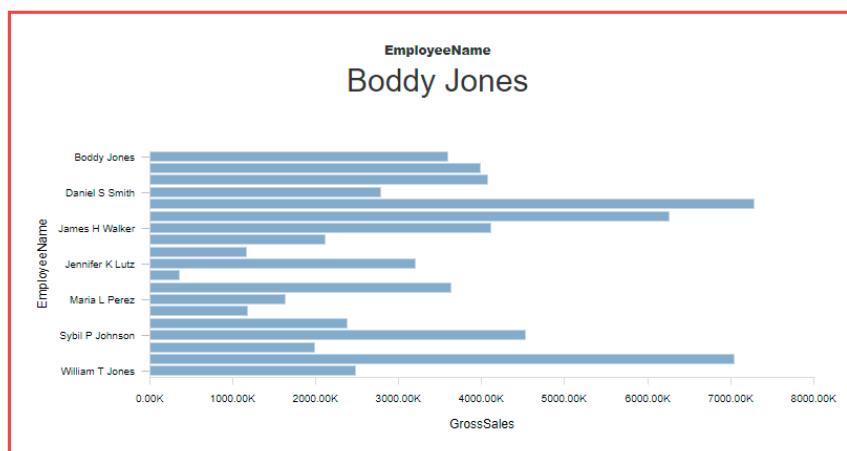
Price

Dataset columns

## CLICKLESS ANALYTICS—UPDATE VALUE OF A COLUMN

- You can click the delete icon to remove the rank criteria applied on the search result.

The system updates the search result based on the updated rank.



Results updated based on user changes in configuration panel

View

Explainer

Breakdown

Rank

Dimension: Measure

APPLY

## CLICKLESS ANALYTICS—RESULT BASED ON UPDATED RANK

## 5.5 View Dataset Columns

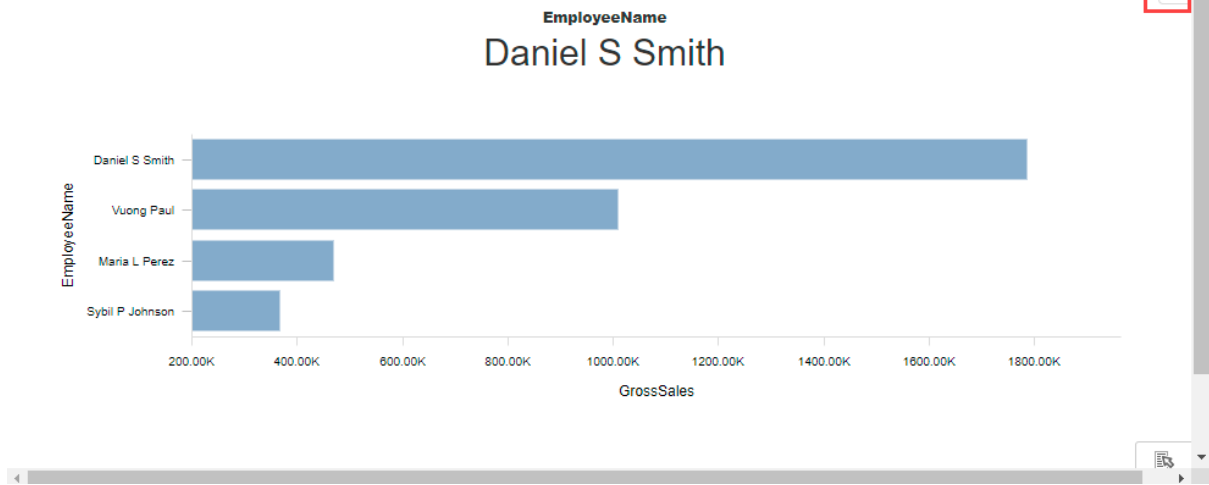
You can view the columns of the dataset that is used in the query you have used to search for the data.

### About this task

Use this task to view columns of the dataset in the query used in Clickless Analytics.

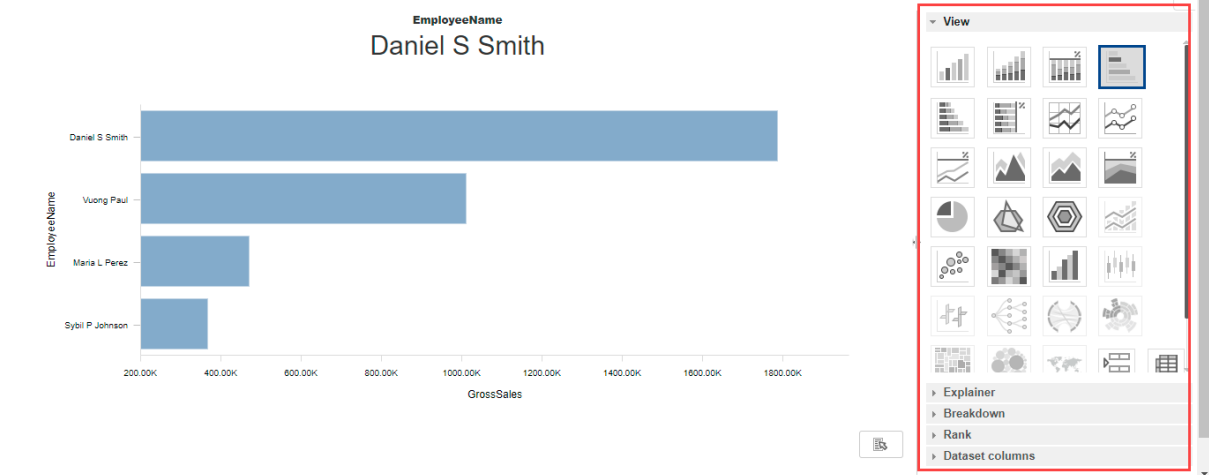
### Procedure

- Click the expand icon on the search result page.



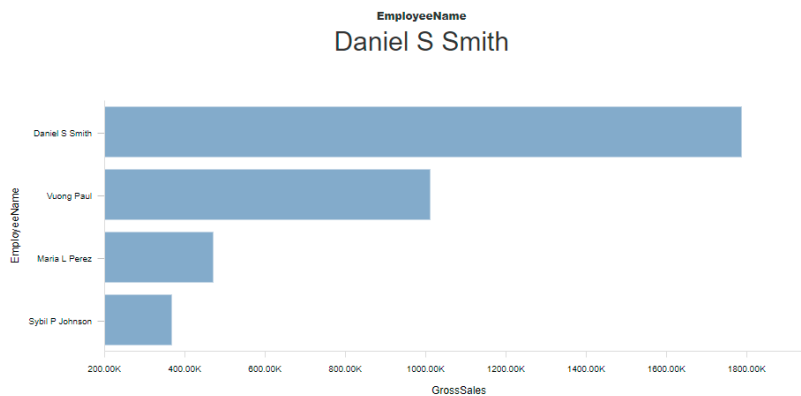
CLICKLESS ANALYTICS—EXPAND ICON

The system displays the configuration pane.



CLICKLESS ANALYTICS—THE CONFIGURATION PANE

- Click the **Dataset columns** tab.

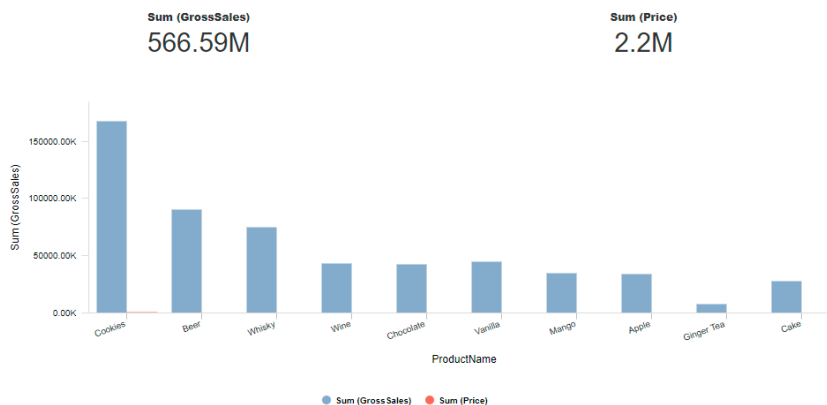


View

Dataset columns

CLICKLESS ANALYTICS—DATABASE COLUMNS TAB

The system displays the columns of the dataset used along with sample values.



View

Dataset columns

Name	Sample Value
Product Name	Wine
Sales Qty	25.0
Cost of Goods	3485
Date_MonthName	June
City	Scottsdale
Gross Sales	6637.0
Date	2020-06-03 18:30:00.0
Sales Price	265.48
Target	78106.0
Price	255.61
row_index	17179871500
State	Arizona

CLICKLESS ANALYTICS—AVAILABLE COLUMNS FOR THE QUERY

## 5.6 Explore Result in Detail

You can explore the result in detail by opening the result in the object view. You can make additional changes to the result in the object view and save the object. Saved objects will be saved in the repository and can be used in other dashboards or as stand-alone objects.

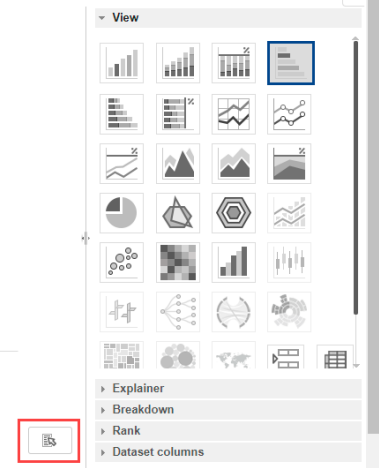
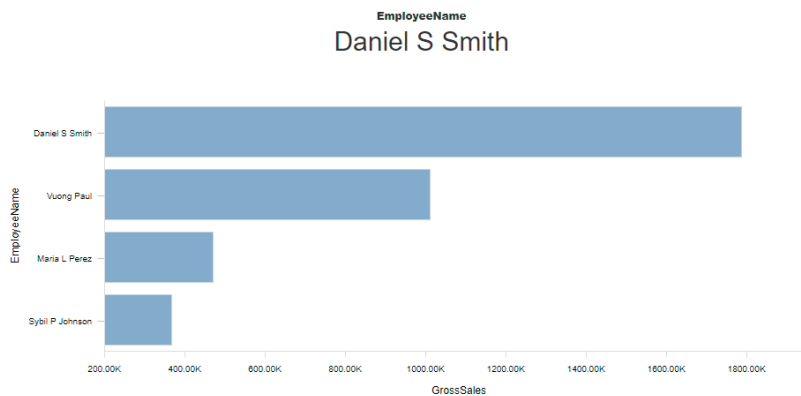
### About this task

Use this task to explore the result in detail.

### Procedure

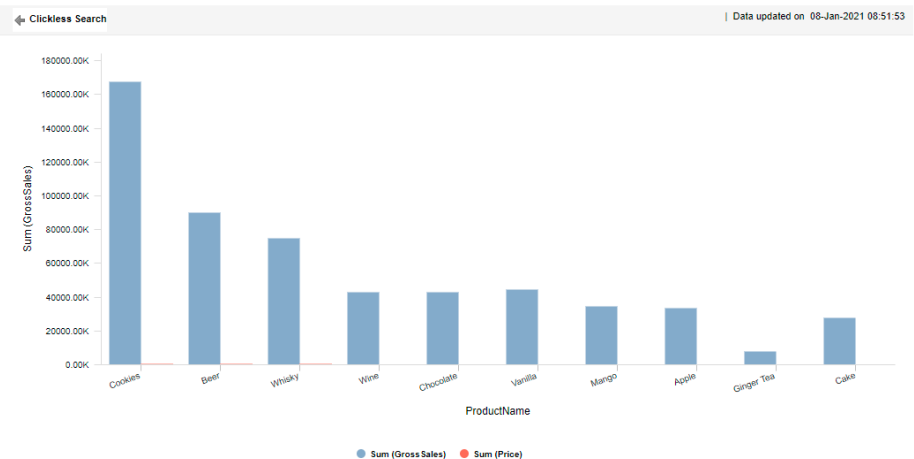
1. Click the explore icon on the search result page.





CLICKLESS ANALYTICS—EXPLORE ICON

The system displays the result in the appropriate container. For example, as this result is displayed in SmartenView, the object is opened for detailed exploration in the SmartenView pane.



CLICKLESS ANALYTICS—THE SMARTENVIEW PANE

## 6 Product and Support Information

Find more information about Smarten and its features at [www.smartent.com](http://www.smartent.com)

Support: [support@smartent.com](mailto:support@smartent.com)

Sales: [sales@smartent.com](mailto:sales@smartent.com)

Feedback & Suggestions: [support@smartent.com](mailto:support@smartent.com)

Support & Knowledgebase Portal: [support.smartent.com](http://support.smartent.com)