

WORKING WITH DATASET

Team ID	PNT2022TMID09334
Project Name	Retail Store Stock Inventory Analytics

Data Collection

Download the Dataset

Dataset link: <https://drive.google.com/drive/folders/1kiL-5CHJmQvbk9VyFsuUs-myAupBZGNy>

Load the Dataset:

The screenshot shows the IBM Cognos Analytics with Watson web interface. At the top, there's a navigation bar with the IBM logo, the text 'IBM Cognos Analytics with Watson', a search bar, and user profile icons. Below the navigation bar, a blue banner displays a maintenance message: 'Maintenance: Scheduled maintenance completed. Click More'. To the right of this banner, a progress bar indicates 'Analyzing mock_kaggle.csv' with 'Cancel' and 'Details' buttons. The main content area features a large welcome message: 'Hello. Welcome to Cognos Analytics with Watson.' followed by a sub-message: 'You can get started right away by taking a look at our introduction video, product tour and Getting Started tab.' Below this, there are two buttons: 'Watch video' and 'Take a product tour'. To the right of the text is a 3D isometric illustration of data cubes and charts. At the bottom, a 'Quick launch' section contains four tiles: 'Upload data' (with an upload icon), 'Prepare data' (with a data module icon), 'Exploration' (with a magnifying glass icon), and 'Present data' (with a presentation icon). Each tile includes a brief description of the functionality.

us1.ca.analytics.ibm.com/bi/?perspective=home

IBM Cognos Analytics with Watson

Maintenance: Scheduled maintenance completed. Click More mock_kaggle.csv was uploaded successfully. Hide Details Dismiss More info

Hello. Welcome to Cognos Analytics with Watson.

You can get started right away by taking a look at our introduction video, product tour and Getting Started tab.

Watch video Take a product tour

Quick launch

Upload data

Upload or drag and drop spreadsheets, csv files, and other data sources.

Prepare data

Use data modules to clean and connect data from multiple resources.

Exploration

Quickly find unbiased answers by identifying trends in your data with data exploration.

Present data

Create sophisticated, multi-page, multi-query dashboards, reports, or stories.

us1.ca.analytics.ibm.com/bi/?perspective=content&tab=myContent&folder=i4D3150657606479486E36D49D155B2DC

IBM Cognos Analytics with Watson Content

Search content

Content

New +

My content

Team content

Samples

50_Startups.csv	Dashboard Creation	mock_kaggle.csv	Monthly Revenue By Pie Chart	Monthly Sales Using Tree Map
Last Accessed 10/20/2022, 10:43 AM CSV	Last Accessed 11/2/2022, 10:52 AM	Last Accessed 10/28/2022, 1:10 PM CSV	Last Accessed 11/2/2022, 12:05 PM	Last Accessed 11/2/2022, 11:52 AM
Prepared Inventory Data Module	Summary Cards Of Total Revenue,Sales,Stock,Price	Top10 Sales By Year Using Line Graph	Year Wise Price Using Line Graph	Year Wise Stock Using Line Graph
Last Accessed 11/5/2022, 9:24 AM	Last Accessed 11/2/2022, 10:09 AM	Last Accessed 11/2/2022, 9:52 AM	Last Accessed 11/2/2022, 11:28 AM	Last Accessed 10/28/2022, 2:18 PM

Data Preparation

Create calculation

Name

Month data

Components

mock_kaggle.csv

Row Id

data

venda

estoque

preco

Expression

1 Month (data_)

Validation Results

The expression is valid.

☐ Calculate after aggregation

Cancel

OK

Create calculation

Name

Revenue

Components

Inventory M...Dataset.csv

M_Data

Row Id

Year

sales

Stock

Price

Expression

1 venda*preco

Validation Results

The expression is valid.

☐ Calculate after aggregation

Cancel

OK

us1.ca.analytics.ibm.com/bi/?perspective=ca-modeller&id=i6E59A875C1CC48619EF2B658022C5601&objRef=i6E59A875C1CC48619EF2B658022C5601&tid=1584271249_7b9354a465b34e758382b...

IBM Cognos Analytics with Watson Prepared Invent ... Data Module

Grid Relationships Custom tables

Data module

Prepared Inve... Data Module

Navigation paths

mock_kaggle.csv

Revenue

M_Data

Row Id

Year

Sales

Stock

Price

Revenue

M_Data

Row Id

Year

Sales

Properties

General

Label Revenue

Hide from users

Expression View or edit

Usage Measure

Calculate after aggregation

Aggregate Total

Data type Decimal

Represents

Default

Lookup reference None

Description

Revenue	M_Data	Row Id	Year	Sales
0	1	1	1/1/14	0
90.3	1	2	1/2/14	70
76.11	1	3	1/3/14	59
119.97	1	4	1/4/14	93
123.84	1	5	1/5/14	96
187.05	1	6	1/6/14	145
230.91	1	7	1/7/14	179
414.09	1	8	1/8/14	321
136.25	1	9	1/9/14	125
95.92	1	10	1/10/14	88
204.92	1	11	1/11/14	188
131.89	1	12	1/12/14	121
146.06	1	13	1/13/14	134
87.2	1	14	1/14/14	80
89.38	1	15	1/15/14	82

us1.ca.analytics.ibm.com/bi/?perspective=ca-modeller&id=i6E59A875C1CC48619EF2B658022C5601&objRef=i6E59A875C1CC48619EF2B658022C5601&tid=1584271249_7b9354a465b34e758382b...

IBM Cognos Analytics with Watson Prepared Invent ... Data Module

Grid Relationships Custom tables

Data module

Prepared Inve... Data Module

Navigation paths

mock_kaggle.csv

Revenue

M_Data

Row Id

Year

Sales

Stock

Price

Revenue

M_Data

Row Id

Year

Sales

Properties

General Navigation paths

Label M_Data

Hide from users

Expression View or edit

Usage Attribute

Aggregate Count Distinct

Data type Integer

Represents

Time

Month

Description

Comments

Revenue	M_Data	Row Id	Year	Sales
0	1	1	1/1/14	0
90.3	1	2	1/2/14	70
76.11	1	3	1/3/14	59
119.97	1	4	1/4/14	93
123.84	1	5	1/5/14	96
187.05	1	6	1/6/14	145
230.91	1	7	1/7/14	179
414.09	1	8	1/8/14	321
136.25	1	9	1/9/14	125
95.92	1	10	1/10/14	88
204.92	1	11	1/11/14	188
131.89	1	12	1/12/14	121
146.06	1	13	1/13/14	134
87.2	1	14	1/14/14	80
89.38	1	15	1/15/14	82

Search

Prepared Inve... Data Module

Navigation paths

mock_kaggle.csv

Revenue

M_Data

Row Id

Year

Sales

Stock

Price

Grid

Relationships

Custom tables

Revenue	M_Data	Row Id	Year	Sales
0	1	1	1/1/14	0
90.3	1	2	1/2/14	70
76.11	1	3	1/3/14	59
119.97	1	4	1/4/14	93
123.84	1	5	1/5/14	96
187.05	1	6	1/6/14	145
230.91	1	7	1/7/14	179
414.09	1	8	1/8/14	321
136.25	1	9	1/9/14	125
95.92	1	10	1/10/14	88
204.92	1	11	1/11/14	188
131.89	1	12	1/12/14	121
146.06	1	13	1/13/14	134
87.2	1	14	1/14/14	80
89.38	1	15	1/15/14	82

Properties

General

Navigation paths

Label

Row Id

Hide from users

Expression

View or edit

Usage

Identifier

Aggregate

Count

Data type

Integer

Represents

Default

Description

Represents the row number identifier, as originally found in the uploaded file.

Comments

Represents the row number identifier, as originally found in the uploaded file.

Search

Prepared Inve... Data Module

Navigation paths

mock_kaggle.csv

Revenue

M_Data

Row Id

Year

Sales

Stock

Price

Grid

Relationships

Custom tables

Revenue	M_Data	Row Id	Year	Sales
0	1	1	1/1/14	0
90.3	1	2	1/2/14	70
76.11	1	3	1/3/14	59
119.97	1	4	1/4/14	93
123.84	1	5	1/5/14	96
187.05	1	6	1/6/14	145
230.91	1	7	1/7/14	179
414.09	1	8	1/8/14	321
136.25	1	9	1/9/14	125
95.92	1	10	1/10/14	88
204.92	1	11	1/11/14	188
131.89	1	12	1/12/14	121
146.06	1	13	1/13/14	134
87.2	1	14	1/14/14	80
89.38	1	15	1/15/14	82

Properties

General

Navigation paths

Label

Year

Hide from users

Expression

View or edit

Usage

Attribute

Aggregate

Count Distinct

Data type

Date

Represents

Time

Year

Lookup reference

None

Description

us1.ca.analytics.ibm.com/bi/?perspective=ca-modeller&id=i6E59A875C1CC48619EF2B658022C5601&objRef=i6E59A875C1CC48619EF2B658022C5601&tid=1584271249_7b9354a465b34e758382b...

IBM Cognos Analytics with Watson

Prepared Invent ... Data Module

Grid Relationships Custom tables

Data module

Search

Prepared Inve... Data Module

Navigation paths

mock_kaggle.csv

Revenue

M_Data

Row Id

Year

Sales

Stock

Price

ue

M_Data

Row Id

Year

Sales

Properties

General

Label

Sales

Hide from users

Expression

View or edit

Usage

Measure

Aggregate

Total

Data type

Integer

Represents

Default

Lookup reference

None

Description

Comments

Type here to search

25°C Cloudy

11:49 PM 05-11-2022

us1.ca.analytics.ibm.com/bi/?perspective=ca-modeller&id=i6E59A875C1CC48619EF2B658022C5601&objRef=i6E59A875C1CC48619EF2B658022C5601&tid=1584271249_7b9354a465b34e758382b...

IBM Cognos Analytics with Watson

Prepared Invent ... Data Module

Grid Relationships Custom tables

Data module

Search

Prepared Inve... Data Module

Navigation paths

mock_kaggle.csv

Revenue

M_Data

Row Id

Year

Sales

Stock

Price

a

Row Id

Year

Sales

Stock

Properties

General

Label

Stock

Hide from users

Expression

View or edit

Usage

Measure

Aggregate

Total

Data type

Integer

Represents

Default

Lookup reference

None

Description

Comments

us1.ca.analytics.ibm.com/bi/?perspective=ca-modeller&id=i6E59A875C1CC48619EF2B658022C5601&objRef=i6E59A875C1CC48619EF2B658022C5601&tid=1584271249_7b9354a465b34e758382b...

IBM Cognos Analytics with Watson Prepared Invent ... Data Module

Data module

Grid Relationships Custom tables

	Year	Sales	Stock	Price
	1/1/14	0	4972	1.29
	1/2/14	70	4902	1.29
	1/3/14	59	4843	1.29
	1/4/14	93	4750	1.29
	1/5/14	96	4654	1.29
	1/6/14	145	4509	1.29
	1/7/14	179	4329	1.29
	1/8/14	321	4104	1.29
	1/9/14	125	4459	1.09
	1/10/14	88	5043	1.09
	1/11/14	188	5239	1.09
	1/12/14	121	5118	1.09
	1/13/14	134	4984	1.09
	1/14/14	80	4904	1.09
	1/15/14	82	4822	1.09

Properties

General

Label Price

Hide from users

Expression View or edit

Usage Measure

Aggregate Total

Data type Decimal

Represents

Default

Lookup reference None

Description

Comments

us1.ca.analytics.ibm.com/bi/?perspective=ca-modeller&id=i6E59A875C1CC48619EF2B658022C5601&objRef=i6E59A875C1CC48619EF2B658022C5601&tid=1584271249_7b9354a465b34e758382b...

IBM Cognos Analytics with Watson Prepared Invent ... Data Module

Data module

Grid Relationships Custom tables

Data format

Column: Revenue

Format type: Number

Number of decimal places Default

Negative sign symbol Default

Use thousands separator Default

Negative sign position Default

Missing value characters <empty>

Advanced options

Reset properties

Cancel OK

Properties

General

Label Revenue

Hide from users

Expression View or edit

Usage Measure

Calculate after aggregation

Aggregate Total

Data type Decimal

Represents

Default

Lookup reference None

Description

us1.ca.analytics.ibm.com/bi/?perspective=ca-modeller&id=i6E59A875C1CC48619EF2B658022C5601&objRef=i6E59A875C1CC48619EF2B658022C5601&tid=1584271249_7b9354a465b34e758382b...

IBM Cognos Analytics with Watson Prepared Invent ... Data Module

Data module

Prepared Inve... Data Module

Navigation paths

mock_kaggle.csv

Revenue

M_Data

Row Id

Year

Sales

Stock

Price

Data format

Column: M_Data

Format type: Date

Date separator: Default

Date style: Default

Date ordering: Default

Missing value characters: <empty>

Advanced options

Reset properties

Cancel OK

Properties

General Navigation paths

Label: M_Data

Hide from users: ☐

Expression: [View or edit](#)

Usage: Attribute

Aggregate: Count Distinct

Data type: Integer

Represents: Time

Month

Description

Comments

us1.ca.analytics.ibm.com/bi/?perspective=ca-modeller&id=i6E59A875C1CC48619EF2B658022C5601&objRef=i6E59A875C1CC48619EF2B658022C5601&tid=1584271249_7b9354a465b34e758382b...

IBM Cognos Analytics with Watson Prepared Invent ... Data Module

Data module

Prepared Inve... Data Module

Navigation paths

mock_kaggle.csv

Revenue

M_Data

Row Id

Year

Sales

Stock

Price

Data format

Column: Year

Format type: Date

Date separator: /

Date style: Short

Date ordering: Default

Missing value characters: <empty>

Advanced options

Reset properties

Cancel OK

Properties

General Navigation paths

Label: Year

Hide from users: ☐

Expression: [View or edit](#)

Usage: Attribute

Aggregate: Count Distinct

Data type: Date

Represents: Year

Lookup reference: None

Description

us1.ca.analytics.ibm.com/bi/?perspective=ca-modeller&id=i6E59A875C1CC48619EF2B658022C5601&objRef=i6E59A875C1CC48619EF2B658022C5601&tid=1584271249_7b9354a465b34e758382b...

IBM Cognos Analytics with Watson

Prepared Invent ... Data Module

Data module

Search

Prepared Inve... Data Module

Navigation paths

mock_kaggle.csv

Revenue

M_Data

Row Id

Year

Sales

Stock

Price

Data format

Column: Sales

Format type: Number

Number of decimal places: 0

Negative sign symbol: Default

Use thousands separator: No

Negative sign position: Default

Missing value characters: <empty>

Advanced options

Reset properties

Cancel OK

Properties

General

Label: Sales

Hide from users: ☐

Expression: [View or edit](#)

Usage: Measure

Aggregate: Total

Data type: Integer

Represents: Default

Lookup reference: None

Description: [View or edit](#)

Comments: [View or edit](#)

us1.ca.analytics.ibm.com/bi/?perspective=ca-modeller&id=i6E59A875C1CC48619EF2B658022C5601&objRef=i6E59A875C1CC48619EF2B658022C5601&tid=1584271249_7b9354a465b34e758382b...

IBM Cognos Analytics with Watson

Prepared Invent ... Data Module

Data module

Search

Prepared Inve... Data Module

Navigation paths

mock_kaggle.csv

Revenue

M_Data

Row Id

Year

Sales

Stock

Price

Data format

Column: Stock

Format type: Number

Number of decimal places: 0

Negative sign symbol: Default

Use thousands separator: No

Negative sign position: Default

Missing value characters: <empty>

Advanced options

Reset properties

Cancel OK

Properties

General

Label: Stock

Hide from users: ☐

Expression: [View or edit](#)

Usage: Measure

Aggregate: Total

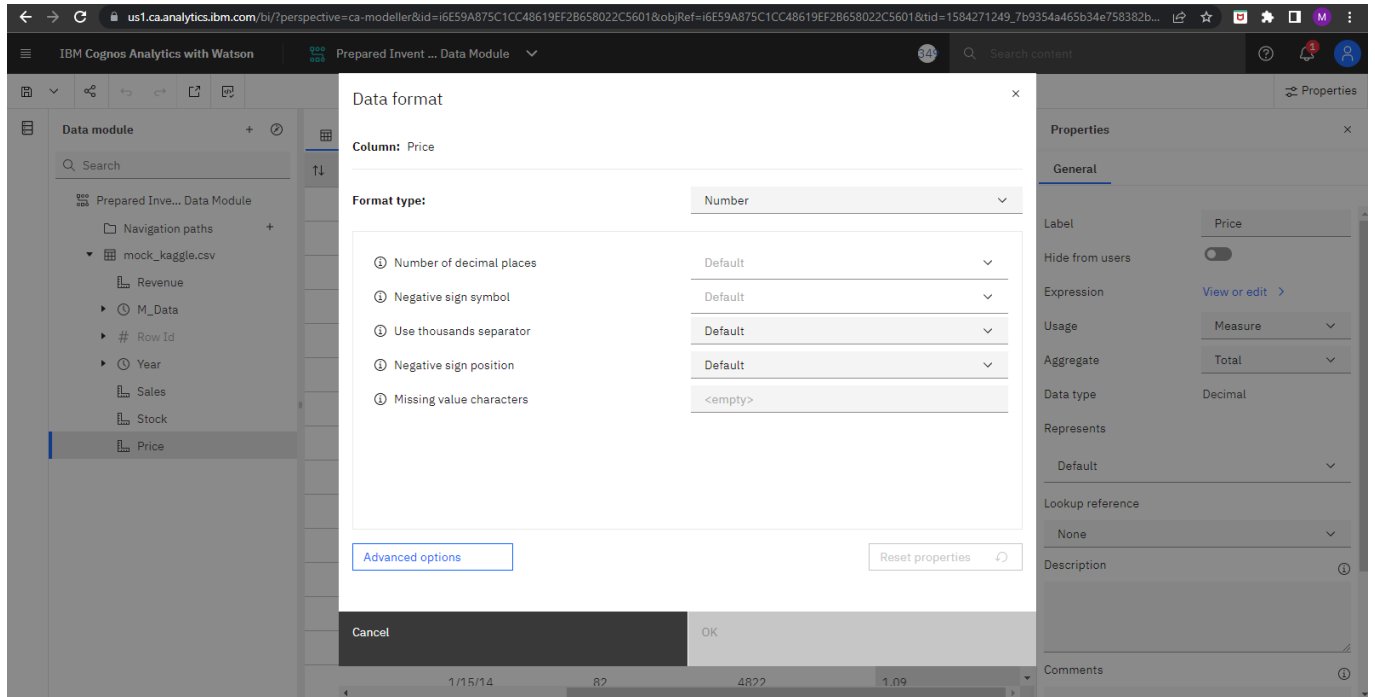
Data type: Integer

Represents: Default

Lookup reference: None

Description: [View or edit](#)

Comments: [View or edit](#)



Prepared data link:

https://us1.ca.analytics.ibm.com/bi/?perspective=ca-modeller&pathRef=.my_folders%2FPrepared%2BInventory%2BData%2BModule

The screenshot shows the IBM Cognos Analytics web interface with a data table. The table has the following columns: Revenue, M_Data, Row Id, Year, Sales, Stock, and Price. The data is as follows:

Revenue	M_Data	Row Id	Year	Sales	Stock	Price
0	1	1	1/1/14	0	4972	1.29
90.3	1	2	1/2/14	70	4902	1.29
76.11	1	3	1/3/14	59	4843	1.29
119.97	1	4	1/4/14	93	4750	1.29
123.84	1	5	1/5/14	96	4654	1.29
187.05	1	6	1/6/14	145	4509	1.29
230.91	1	7	1/7/14	179	4329	1.29
414.09	1	8	1/8/14	321	4104	1.29
136.25	1	9	1/9/14	125	4459	1.09
95.92	1	10	1/10/14	88	5043	1.09
204.92	1	11	1/11/14	188	5239	1.09
131.89	1	12	1/12/14	121	5118	1.09
146.06	1	13	1/13/14	134	4984	1.09
87.2	1	14	1/14/14	80	4904	1.09
89.38	1	15	1/15/14	82	4822	1.09