

Project Development Phase Delivery of Sprint-1

Team ID	PNT2022TMID32070
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 displays the IBM Cognos Analytics with Watson web application. At the top, a navigation bar includes the IBM logo, the text 'IBM Cognos Analytics with Watson', a search bar, and user profile icons. Below the navigation bar, a blue banner indicates 'Analyzing mock_kaggle.csv' with a progress bar and buttons for 'Cancel', 'Details', 'Dismiss', and 'More info'. The main content area features a welcome message: 'Hello. Welcome to Cognos Analytics with Watson.' followed by a brief introduction and 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. Below the main content, a 'Quick launch' section provides four actionable 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=i4D31506576064794B6E36D49D155B2DC

IBM Cognos Analytics with Watson Content

New +

My content Team content Samples

50_Startups.csv
Last Accessed 10/20/2022, 10:43 AM CSV

Dashboard Creation
Last Accessed 11/2/2022, 10:52 AM

mock_kaggle.csv
Last Accessed 10/28/2022, 1:10 PM CSV

Monthly Revenue By Pie Chart
Last Accessed 11/2/2022, 12:05 PM

Monthly Sales Using Tree Map
Last Accessed 11/2/2022, 11:52 AM

Prepared Inventory Data Module
Last Accessed 11/5/2022, 9:24 AM

Summary Cards Of Total Revenue,Sales,Stock,Price
Last Accessed 11/2/2022, 10:09 AM

Top10 Sales By Year Using Line Graph
Last Accessed 11/2/2022, 9:52 AM

Year Wise Price Using Line Graph
Last Accessed 11/2/2022, 11:28 AM

Year Wise Stock Using Line Graph
Last Accessed 10/28/2022, 2:18 PM

Data Preparation

Create calculation

NameMonth data

Components

Expression

1Month (data_)

Validation Results

The expression is valid.

☐ Calculate after aggregation

CancelOK

Create calculation

NameRevenue

Components

Expression

1venda*preco

Validation Results

The expression is valid.

☐ Calculate after aggregation

CancelOK

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

Grid

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

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

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414.09	1	8	1/8/14	321
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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

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/7/perspective=ca-modeller&id=i6E59A875C1CC48619EF2B658022C5601&objRef=i6E59A875C1CC48619EF2B658022C5601&tid=1584271249_7b9354a465b34e758382b...

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

Grid Relationships Custom tables

Search

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
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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.

us1.ca.analytics.ibm.com/bi/7/perspective=ca-modeller&id=i6E59A875C1CC48619EF2B658022C5601&objRef=i6E59A875C1CC48619EF2B658022C5601&tid=1584271249_7b9354a465b34e758382b...

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

Grid Relationships Custom tables

Search

Prepared Inve... Data Module

Navigation paths

mock_kaggle.csv

Revenue

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Row Id

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Sales

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Price

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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/bl/?perspective=ca-modeller&id=i6E59A875C1CC48619EF2B658022C5601&objRef=i6E59A875C1CC48619EF2B658022C5601&tid=1584271249_7b9354a465b34e758382b...

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

Data module

Grid

ue	M_Data	Row Id	Year	Sales
1	1	1	1/1/14	0
1	1	2	1/2/14	70
1	1	3	1/3/14	59
7	1	4	1/4/14	93
4	1	5	1/5/14	96
5	1	6	1/6/14	145
1	1	7	1/7/14	179
9	1	8	1/8/14	321
5	1	9	1/9/14	125
1	1	10	1/10/14	88
2	1	11	1/11/14	188
9	1	12	1/12/14	121
5	1	13	1/13/14	134
1	1	14	1/14/14	80
1	1	15	1/15/14	82

Properties

General

Label: Sales

Hide from users: ☐

Expression: [View or edit](#)

Usage: Measure

Aggregate: Total

Data type: Integer

Represents:

Default:

Lookup reference:

Description:

Comments:

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

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

Data module

Grid

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

Properties

General

Label: Stock

Hide from users: ☐

Expression: [View or edit](#)

Usage: Measure

Aggregate: Total

Data type: Integer

Represents:

Default:

Lookup reference:

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: M_Data

Format type: Date

① Date separator: Default

① Date style: Default

① Date ordering: Default

① 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

① Date separator: /

① Date style: Short

① Date ordering: Default

① 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

Time

Year

Lookup reference

None

Description

IBM Cognos Analytics with Watson

Prepared Invent ... Data Module

Search content

Data module

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 places0

Negative sign symbolDefault

Use thousands separatorNo

Negative sign positionDefault

Missing value characters<empty>

Advanced options

Reset properties

CancelOK

Properties

General

LabelSales

Hide from users

ExpressionView or edit

UsageMeasure

AggregateTotal

Data typeInteger

Represents

Default

Lookup referenceNone

Description

Comments

IBM Cognos Analytics with Watson

Prepared Invent ... Data Module

Search content

Data module

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 places0

Negative sign symbolDefault

Use thousands separatorNo

Negative sign positionDefault

Missing value characters<empty>

Advanced options

Reset properties

CancelOK

Properties

General

LabelStock

Hide from users

ExpressionView or edit

UsageMeasure

AggregateTotal

Data typeInteger

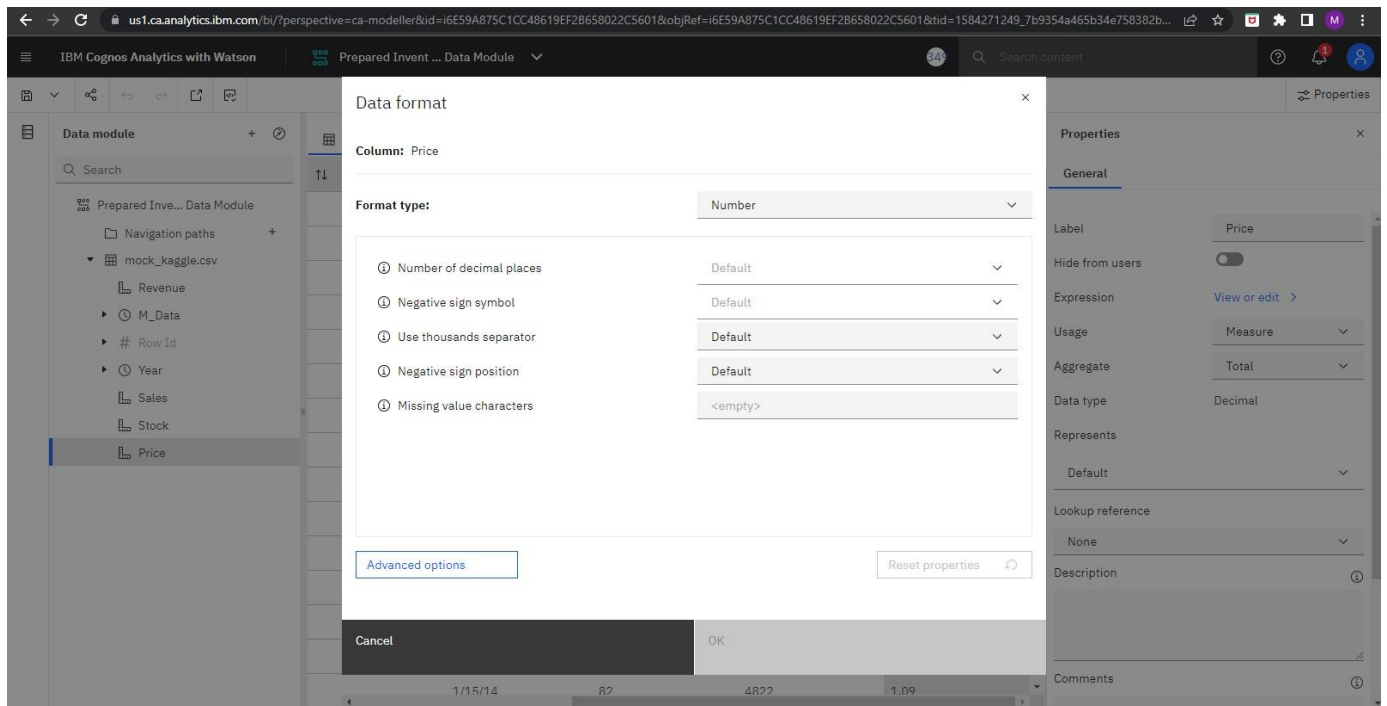
Represents

Default

Lookup referenceNone

Description

Comments



Prepared data link:

[https://us1.ca.analytics.ibm.com/bi/?perspective=ca-modeller&pathRef=.my folders%2FPrepared%2BInventory%2BData%2BModule](https://us1.ca.analytics.ibm.com/bi/?perspective=ca-modeller&pathRef=.my%20folders%2FPrepared%2BInventory%2BData%2BModule)

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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