

Project Development Phase

Sprint - 1

Team ID	PNT2022TMID33028
Project Name	Project - Retail Store Stock Inventory Analytics

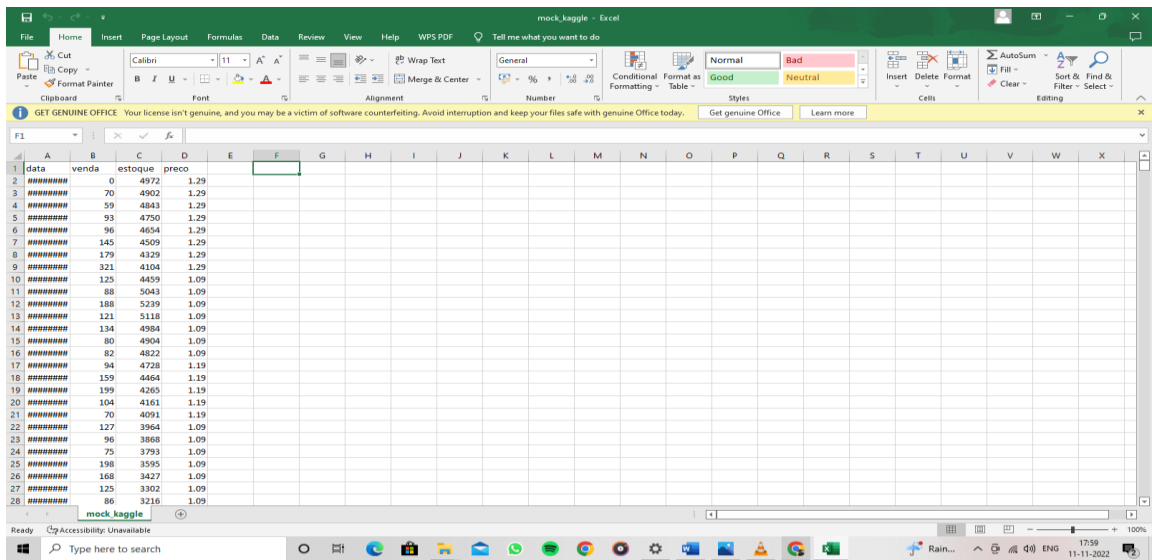
SPRINT-1

- Data Collection
- Data Preparation

Data Collection:

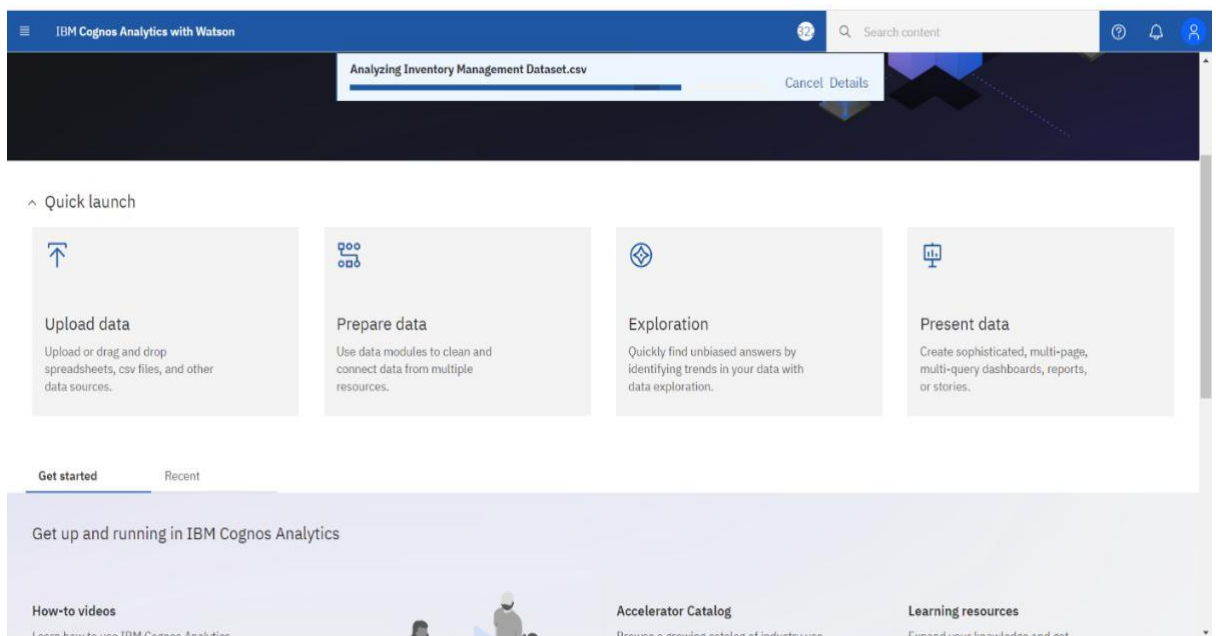
1. Download the Dataset Dataset link –

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



	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X
1	data	venda	estoque	preco																				
2	#####	0	4972	1.29																				
3	#####	70	4902	1.29																				
4	#####	59	4843	1.29																				
5	#####	93	4750	1.29																				
6	#####	96	4654	1.29																				
7	#####	145	4509	1.29																				
8	#####	179	4329	1.29																				
9	#####	321	4104	1.29																				
10	#####	125	4459	1.09																				
11	#####	88	5043	1.09																				
12	#####	188	5239	1.09																				
13	#####	121	5118	1.09																				
14	#####	134	4984	1.09																				
15	#####	80	4904	1.09																				
16	#####	82	4822	1.09																				
17	#####	94	4728	1.19																				
18	#####	159	4464	1.19																				
19	#####	199	4265	1.19																				
20	#####	104	4161	1.19																				
21	#####	70	4091	1.19																				
22	#####	127	3964	1.09																				
23	#####	96	3868	1.09																				
24	#####	75	3793	1.09																				
25	#####	198	3595	1.09																				
26	#####	168	3427	1.09																				
27	#####	125	3302	1.09																				
28	#####	86	3216	1.09																				

2. Load the Dataset IBM Cognos Platform



IBM Cognos Analytics with Watson

Search content

Analyzing Inventory Management Dataset.csv

Cancel Details

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.

Get up and running in IBM Cognos Analytics

How-to videos

Learn how to use IBM Cognos Analytics

Accelerator Catalog

Browse a growing catalog of industry use

Learning resources

Expand your knowledge and get

Data Preparation:

The screenshot displays the IBM Cognos Analytics interface, showing the process of selecting data modules for analysis. The interface includes a search bar, a list of data modules, and a data grid.

Data module selection:

- New data module
- Navigation paths
- mock_kaggle.csv
 - Revenue
 - # m_data
 - # Row Id
 - data
 - venda
 - estoque
 - preco

Data Grid (Top Image):

Row Id	data	venda	estoque	preco
1	2014-01-01	0	4972	1.29
2	2014-01-02	70	4902	1.29
3	2014-01-03	59	4843	1.29
4	2014-01-04	93	4750	1.29
5	2014-01-05	96	4654	1.29
6	2014-01-06	145	4509	1.29
7	2014-01-07	179	4329	1.29
8	2014-01-08	321	4104	1.29
9	2014-01-09	125	4459	1.09
10	2014-01-10	88	5043	1.09

Data Grid (Bottom Image):

Row Id	data	venda	estoque	preco
1	2014-01-01	0	4972	1.29
2	2014-01-02	70	4902	1.29
3	2014-01-03	59	4843	1.29
4	2014-01-04	93	4750	1.29
5	2014-01-05	96	4654	1.29
6	2014-01-06	145	4509	1.29
7	2014-01-07	179	4329	1.29
8	2014-01-08	321	4104	1.29
9	2014-01-09	125	4459	1.09
10	2014-01-10	88	5043	1.09

us1.ca.analytics.ibm.com/bi/?perspective=ca-modeller&id=825882129_84a892de67d848f490734226e8f8b17f_sessionTemp&objRef=&tid=825882129_84a892d...

IBM Cognos Analytics with Watson

Data format

Column: m_data

Format type: Date

Date separator: /

Date style: Short

Date ordering: Default

Missing value characters: <empty>

Advanced options

Reset properties

us1.ca.analytics.ibm.com/bi/?perspective=ca-modeller&id=825882129_84a892de67d848f490734226e8f8b17f_sessionTemp&objRef=&tid=825882129_84a892d...

IBM Cognos Analytics with Watson

Data format

Column: data

Format type: Date

Date separator: /

Date style: Short

Date ordering: Default

Missing value characters: <empty>

Advanced options

Reset properties

28°C Haze 3:20 PM 11/9/2022

28°C Haze 3:21 PM 11/9/2022

estoque	preco
972	1.29
902	1.29
843	1.29
750	1.29
654	1.29
509	1.29
329	1.29
104	1.29
459	1.09
043	1.09
320	1.00

IBM Cognos Analytics with Watson

us1.ca.analytics.ibm.com/bi/?perspective=ca-modeller&id=825882129_84a892de67d848f490734226e8f8b17f_sessionTemp&objRef=&tid=825882129_84a892d...

Search content

Properties

Data module

Search

New data module

Navigation paths

mock_kaggle.csv

m_data

Row Id

data

venda

estoque

preco

Grid

Relationships

Custom tables

m_data	Row Id	data	venda	estoque	preco
1	1	1/1/14	0	4972	1.29
1	2	1/2/14	70	4902	1.29
1	3	1/3/14	59	4843	1.29
1	4	1/4/14	93	4750	1.29
1	5	1/5/14	96	4654	1.29
1	6	1/6/14	145	4509	1.29
1	7	1/7/14	179	4329	1.29
1	8	1/8/14	321	4104	1.29
1	9	1/9/14	125	4459	1.09
1	10	1/10/14	88	5043	1.09

Type here to search

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us1.ca.analytics.ibm.com/bi/?perspective=ca-modeller&id=825882129_84a892de67d848f490734226e8f8b17f_sessionTemp&objRef=&tid=825882129_84a892d...

Search content

Properties

Data format

Column: estoque

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

us1.ca.analytics.ibm.com/bi/?perspective=ca-modeller&id=825882129_84a892de67d848f490734226e8f8b17f_sessionTemp&objRef=&tid=825882129_84a892d...

IBM Cognos Analytics with Watson

Data module

Grid Relationships Custom tables

m_data	Row Id	data	venda	estoque	preco
1	1	1/1/14	0	4972	1.29
1	2	1/2/14	70	4902	1.29
1	3	1/3/14	59	4843	1.29
1	4	1/4/14	93	4750	1.29
1	5	1/5/14	96	4654	1.29
1	6	1/6/14	145	4509	1.29
1	7	1/7/14	179	4329	1.29
1	8	1/8/14	321	4104	1.29
1	9	1/9/14	125	4459	1.09
1	10	1/10/14	88	5043	1.09

Type here to search

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us1.ca.analytics.ibm.com/bi/?perspective=ca-modeller&id=825882129_84a892de67d848f490734226e8f8b17f_sessionTemp&objRef=&tid=825882129_84a892d...

IBM Cognos Analytics with Watson

Data format

Column: venda

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

us1.ca.analytics.ibm.com/bi/?perspective=ca-modeller&id=825882129_84a892de67d848f490734226e8f8b17f_sessionTemp&objRef=&tid=825882129_84a892d...

IBM Cognos Analytics with Watson

Data module

Grid Relationships Custom tables

m_data	Row Id	data	venda	estoque	preco
1	1	1/1/14	0	4972	1.29
1	2	1/2/14	70	4902	1.29
1	3	1/3/14	59	4843	1.29
1	4	1/4/14	93	4750	1.29
1	5	1/5/14	96	4654	1.29
1	6	1/6/14	145	4509	1.29
1	7	1/7/14	179	4329	1.29
1	8	1/8/14	321	4104	1.29
1	9	1/9/14	125	4459	1.09
1	10	1/10/14	88	5043	1.09

Type here to search

us1.ca.analytics.ibm.com/bi/?perspective=ca-modeller&id=825882129_84a892de67d848f490734226e8f8b17f_sessionTemp&objRef=&tid=825882129_84a892d...

IBM Cognos Analytics with Watson

Data format

Column: preco

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

IBM Cognos Analytics with Watson

us1.ca.analytics.ibm.com/bi/?perspective=ca-modeller&id=825882129_84a892de67d848f490734226e8f8b17f_sessionTemp&objRef=&tid=825882129_84a892d...

Search content

Properties

Data module

Search

New data module

Navigation paths

mock_kaggle.csv

m_data

Row Id

data

venda

estoque

preco

Grid

Relationships

Custom tables

Row Id	data	venda	estoque	preco
1	1/1/14	0	4972	1
2	1/2/14	70	4902	1
3	1/3/14	59	4843	1
4	1/4/14	93	4750	1
5	1/5/14	96	4654	1
6	1/6/14	145	4509	1
7	1/7/14	179	4329	1
8	1/8/14	321	4104	1
9	1/9/14	125	4459	1
10	1/10/14	88	5043	1
11	1/11/14	188	5220	1

Type here to search

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Search content

Properties

Data format

Column: Revenue

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

venda	estoque
4972	
4902	
4843	
4750	
4654	
4509	
4329	
4104	
4459	
5043	
5220	

IBM Cognos Analytics with Watson

us1.ca.analytics.ibm.com/bi/?perspective=ca-modeller&id=825882129_84a892de67d848f490734226e8f8b17f_sessionTemp&objRef=&tid=825882129_84a892d...

Search content

Properties

Data module

Search

New data module

Navigation paths

mock_kaggle.csv

Revenue

m_data

Row Id

data

venda

estoque

preco

Grid

Relationships

Custom tables

Revenue	m_data	Row Id	data	venda	estoque
0	1	1	1/1/14	0	4972
90	1	2	1/2/14	70	4902
76	1	3	1/3/14	59	4843
120	1	4	1/4/14	93	4750
124	1	5	1/5/14	96	4654
187	1	6	1/6/14	145	4509
231	1	7	1/7/14	179	4329
414	1	8	1/8/14	321	4104
136	1	9	1/9/14	125	4459
96	1	10	1/10/14	88	5043

IBM Cognos Analytics with Watson

us1.ca.analytics.ibm.com/bi/?perspective=ca-modeller&id=825882129_84a892de67d848f490734226e8f8b17f_sessionTemp&objRef=&tid=825882129_84a892d...

Search content

Properties

Data module

Search

New data module

Navigation paths

mock_kaggle.csv

Revenue

m_data

Row Id

data

venda

estoque

preco

Grid

Relationships

Custom tables

m_data	Row Id	data	venda
1	1	1/1/14	0
1	2	1/2/14	7
1	3	1/3/14	5
1	4	1/4/14	9
1	5	1/5/14	9
1	6	1/6/14	1
1	7	1/7/14	1
1	8	1/8/14	3
1	9	1/9/14	1
1	10	1/10/14	8

Properties

General

Navigation paths

Label

data

Hide from users

Expression

View or edit >

Usage

Attribute

Aggregate

Count Distinct

Data type

Date

Represents

Time

Date

Lookup reference

IBM Cognos Analytics with Watson

Search content

Properties

Data module

Search

- New data module
- Navigation paths
- mock_kaggle.csv
 - Revenue
 - # m_data
 - # Row Id
 - data
 - venda
 - estoque
 - preco

Grid

Row Id	data	venda
1	1/1/14	0
2	1/2/14	70
3	1/3/14	59
4	1/4/14	93
5	1/5/14	96
6	1/6/14	145
7	1/7/14	179
8	1/8/14	321
9	1/9/14	125
10	1/10/14	88

Properties

General

Label: venda

Hide from users: ☐

Expression: [View or edit](#)

Usage: Measure

Aggregate: Total

Data type: Integer

Represents:
Default:
Lookup reference: None

IBM Cognos Analytics with Watson

Search content

Properties

Data module

Search

- New data module
- Navigation paths
- mock_kaggle.csv
 - Revenue
 - # m_data
 - # Row Id
 - data
 - venda
 - estoque
 - preco

Grid

data	venda	estoque
1/1/14	0	4972
1/2/14	70	4902
1/3/14	59	4843
1/4/14	93	4750
1/5/14	96	4654
1/6/14	145	4509
1/7/14	179	4329
1/8/14	321	4104
1/9/14	125	4459
1/10/14	88	5043

Properties

General

Label: estoque

Hide from users: ☐

Expression: [View or edit](#)

Usage: Measure

Aggregate: Total

Data type: Integer

Represents:
Default:
Lookup reference: None

IBM Cognos Analytics with Watson

us1.ca.analytics.ibm.com/bi/?perspective=ca-modeller&id=825882129_84a892de67d848f490734226e8f8b17f_sessionTemp&objRef=&tid=825882129_84a892d...

Search content

Data module

Grid

	venda	estoque	preco
0		4972	1
70		4902	1
59		4843	1
93		4750	1
96		4654	1
145		4509	1
179		4329	1
321		4104	1
125		4459	1
88		5043	1
100		5020	1

Properties

General

Label: preco

Hide from users: ☐

Expression: [View or edit](#)

Usage: Measure

Aggregate: Total

Data type: Decimal

Represents:
Default:
Lookup reference: None

IBM Cognos Analytics with Watson

us1.ca.analytics.ibm.com/bi/?perspective=ca-modeller&id=825882129_84a892de67d848f490734226e8f8b17f_sessionTemp&objRef=&tid=825882129_84a892d...

Search content

Data module

Grid

	Revenue	m_data	Row Id	data
0		1	1	1/1/14
90		1	2	1/2/14
76		1	3	1/3/14
120		1	4	1/4/14
124		1	5	1/5/14
187		1	6	1/6/14
231		1	7	1/7/14
414		1	8	1/8/14
136		1	9	1/9/14
96		1	10	1/10/14
205		1	11	1/11/14

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:

IBM Cognos Analytics with Watson

us1.ca.analytics.ibm.com/bi/?perspective=ca-modeller&id=825882129_84a892de67d848f490734226e8f8b17f_sessionTemp&objRef=&tid=825882129_84a892d...

Search content

Properties

Data module

- New data module
- Navigation paths
- mock_kaggle.csv
 - Revenue
 - # m_data
 - # Row Id
 - data
 - venda
 - estoque
 - preco

Grid

Revenue	m_data	Row Id	data
0	1	1	1/1/14
90	1	2	1/2/14
76	1	3	1/3/14
120	1	4	1/4/14
124	1	5	1/5/14
187	1	6	1/6/14
231	1	7	1/7/14
414	1	8	1/8/14
136	1	9	1/9/14
96	1	10	1/10/14
205	1	11	1/11/14

Properties

General

Navigation paths

Label: m_data

Hide from users: ☐

Expression: [View or edit](#)

Usage: Identifier

Aggregate: None

Data type: Integer

Represents:
Default:
Description:

IBM Cognos Analytics with Watson

us1.ca.analytics.ibm.com/bi/?perspective=ca-modeller&id=825882129_84a892de67d848f490734226e8f8b17f_sessionTemp&objRef=&tid=825882129_84a892d...

Search content

Data format

Column: estoque

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

estoque

preco

972	1.29
902	1.29
843	1.29
750	1.29
654	1.29
509	1.29
329	1.29
104	1.29
459	1.09
043	1.09
320	1.00

us1.ca.analytics.ibm.com/bi/?perspective=ca-modeller&id=825882129_84a892de67d848f490734226e8f8b17f_sessionTemp&objRef=&tid=825882129_84a892d...

IBM Cognos Analytics with Watson

Data module

- New data module
- Navigation paths
- mock_kaggle.csv
 - Revenue
 - # m_data
 - # Row Id
 - data
 - venda
 - estoque
 - preco

Grid

	m_data	Row Id	data	venda	estoque	preco
1		1	2014-01-01	0	4972	1.29
1		2	2014-01-02	70	4902	1.29
1		3	2014-01-03	59	4843	1.29
1		4	2014-01-04	93	4750	1.29
1		5	2014-01-05	96	4654	1.29
1		6	2014-01-06	145	4509	1.29
1		7	2014-01-07	179	4329	1.29
00003	1	8	2014-01-08	321	4104	1.29
1		9	2014-01-09	125	4459	1.09
1		10	2014-01-10	88	5043	1.09

us1.ca.analytics.ibm.com/bi/?perspective=ca-modeller&id=825882129_84a892de67d848f490734226e8f8b17f_sessionTemp&objRef=&tid=825882129_84a892d...

IBM Cognos Analytics with Watson

Data module

- New data module
- Navigation paths
- mock_kaggle.csv
 - Revenue
 - # m_data
 - # Row Id
 - data
 - venda
 - estoque
 - preco

Grid

	Row Id	data	venda	estoque	preco
1	1	2014-01-01	0	4972	1.29
2	2	2014-01-02	70	4902	1.29
3	3	2014-01-03	59	4843	1.29
4	4	2014-01-04	93	4750	1.29
5	5	2014-01-05	96	4654	1.29
6	6	2014-01-06	145	4509	1.29
7	7	2014-01-07	179	4329	1.29
8	8	2014-01-08	321	4104	1.29
9	9	2014-01-09	125	4459	1.09
10	10	2014-01-10	88	5043	1.09

us1.ca.analytics.ibm.com/bi/?perspective=ca-modeller&id=825882129_84a892de67d848f490734226e8f8b17f_sessionTemp&objRef=&tid=825882129_84a892d...

IBM Cognos Analytics with Watson

Data module

Search

New data module

Navigation paths

mock_kaggle.csv

m_data

Row Id

data

venda

estoque

preco

Data format

Column: m_data

Format type: Date

Date separator: /

Date style: Short

Date ordering: Default

Missing value characters: <empty>

Advanced options

Reset properties

estoque

preco

972

1.29

902

1.29

843

1.29

750

1.29

654

1.29

509

1.29

329

1.29

104

1.29

459

1.09

043

1.09

320

1.00

Type here to search

28°C Haze

ENG US

3:20 PM

11/9/2022

us1.ca.analytics.ibm.com/bi/?perspective=ca-modeller&id=825882129_84a892de67d848f490734226e8f8b17f_sessionTemp&objRef=&tid=825882129_84a892d...

IBM Cognos Analytics with Watson

Data module

Search

New data module

Navigation paths

mock_kaggle.csv

m_data

Row Id

data

venda

estoque

preco

Data format

Column: data

Format type: Date

Date separator: /

Date style: Short

Date ordering: Default

Missing value characters: <empty>

Advanced options

Reset properties

estoque

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972

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1.29

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1.29

459

1.09

043

1.09

320

1.00

Type here to search

28°C Haze

ENG US

3:21 PM

11/9/2022