

**Project Development Phase**  
**Delivery of Sprint-1**

|              |   |
|--------------|---|
| Team ID      | PNT2022TMID17895                          |
| Project Name | Retail Store Stock Inventory<br>Analytics |

**Project Development Phase:**

**Sprint-1:**

- Data Collection
- Data Preparation

**Sprint-2:**

- Data Exploration

**Sprint-3:**

- Dashboard Creation

**Sprint-4:**

- Report Creation
- Story Creation

## Sprint-1:

### Data Collection:

Download the Dataset

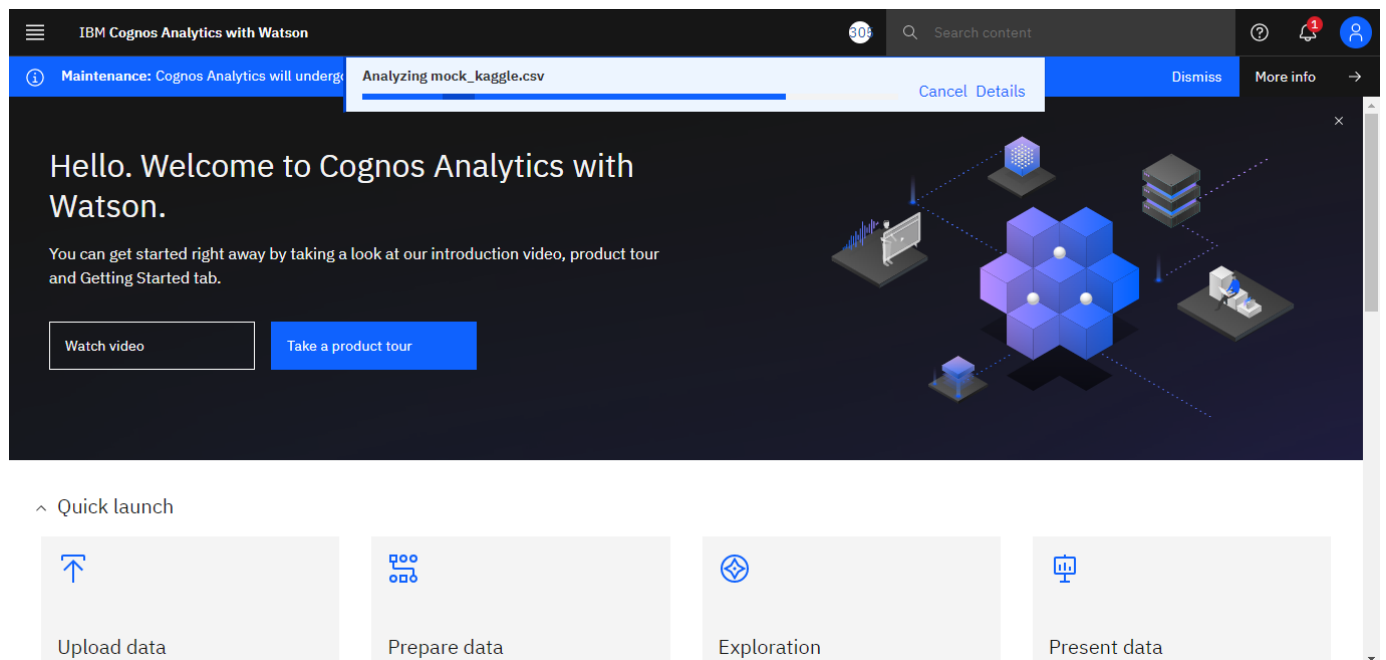
Dataset link :-

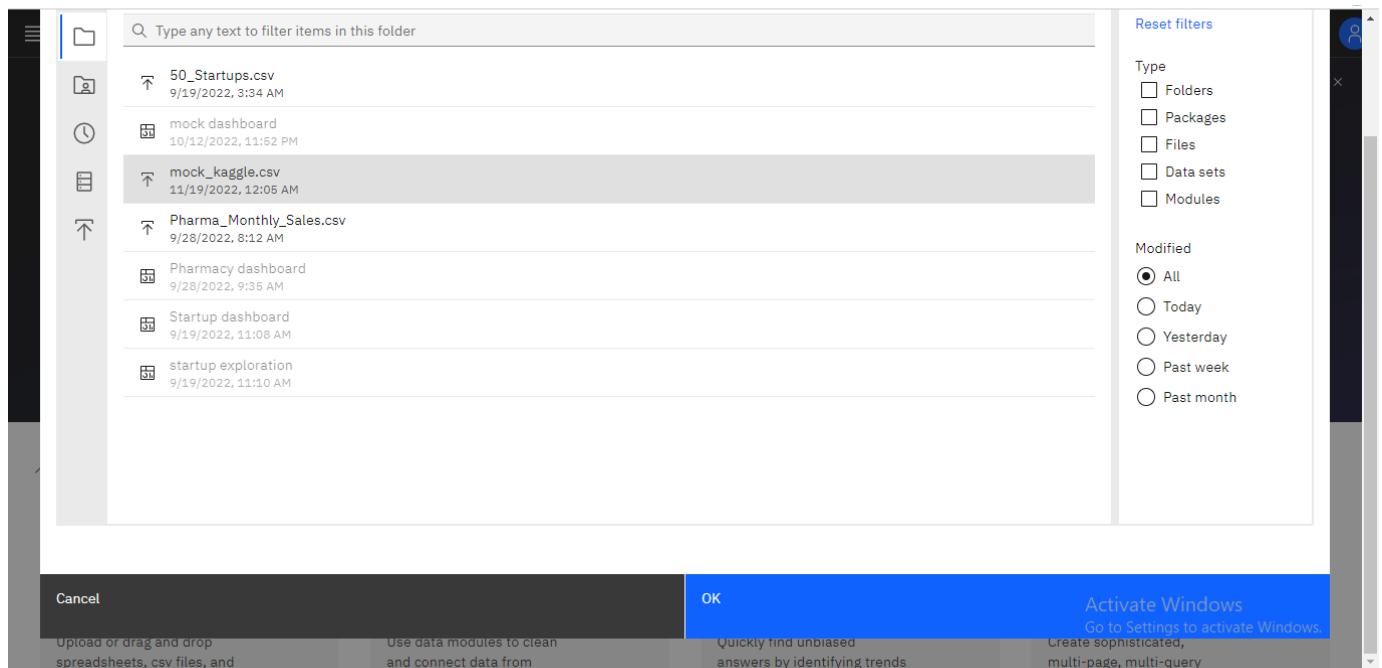
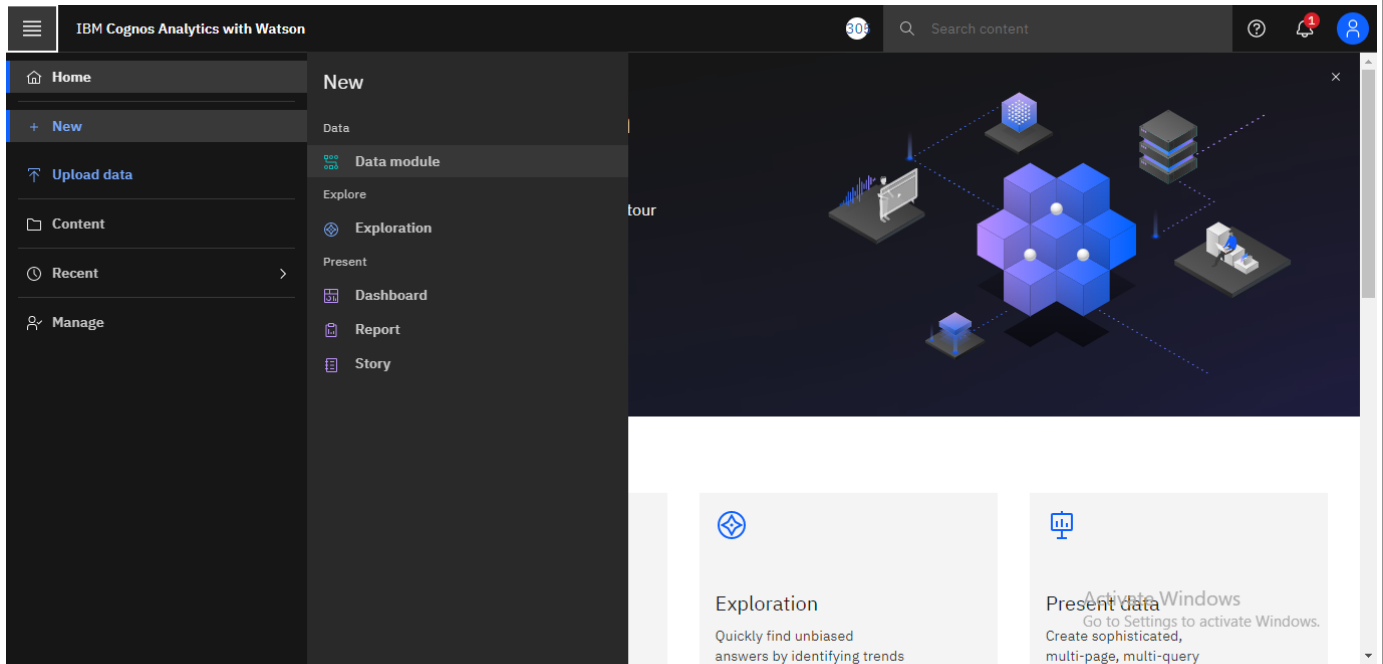
<https://www.kaggle.com/datasets/tevecsystems/retail-sale>

s-forecasting

### Load the Dataset:

Tool used – IBM Cognos





# Month data:

Month Data

Components

mock\_kaggle.csv

# Row Id

data

venda

estoque

preco

Expression

1 Month(data\_)

Information

month ( date\_expression )

Returns the month (an integer from 1-12) from "date\_expression".

month ( 2005-11-01 );

Result: Returns 11.

Calculate after aggregation

Cancel

OK

12

2014-01-12

121

5118

1.09

IBM Cognos Analytics with Watson

New data module

30

Search content

Properties

Data module

New data module

Navigation paths

mock\_kaggle.csv

# Month Data

# Row Id

data

venda

estoque

preco

Grid

Relationships

Custom tables

| Month 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  |
| 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  |
| 1          | 11     | 2014-01-11 | 188   | 5239    | 1.09  |

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\* New data module

### Edit calculation

Name: sales

Components

- mock\_kaggle.csv
  - sales
  - # Month Data
  - # Row Id
  - data
  - venda
  - estoque
  - preco

Expression

```
1 IF(venda = 0) THEN (median (venda )) ELSE (venda)
```

Information

Activate Windows  
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IBM Cognos Analytics with Watson

\* New data module

Search content

Properties

Data module

Grid Relationships Custom tables

| sales | Month Data | Row Id | data       | venda | estoque |
|-------|------------|--------|------------|-------|---------|
| 76    | 1          | 1      | 2014-01-01 | 0     | 4972    |
| 70    | 1          | 2      | 2014-01-02 | 70    | 4902    |
| 59    | 1          | 3      | 2014-01-03 | 59    | 4843    |
| 93    | 1          | 4      | 2014-01-04 | 93    | 4750    |
| 96    | 1          | 5      | 2014-01-05 | 96    | 4654    |
| 145   | 1          | 6      | 2014-01-06 | 145   | 4509    |
| 179   | 1          | 7      | 2014-01-07 | 179   | 4329    |
| 321   | 1          | 8      | 2014-01-08 | 321   | 4104    |
| 125   | 1          | 9      | 2014-01-09 | 125   | 4459    |
| 88    | 1          | 10     | 2014-01-10 | 88    | 5043    |
| 188   | 1          | 11     | 2014-01-11 | 188   | 5239    |

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IBM Cognos Analytics with Watson

\* New data module

Search content

Properties

Data module

Grid Relationships Custom tables

| Revenue            | sales | Month Data | Row Id | data       | venda |
|--------------------|-------|------------|--------|------------|-------|
| 0                  | 76    | 1          | 1      | 2014-01-01 | 0     |
| 90.3               | 70    | 1          | 2      | 2014-01-02 | 70    |
| 76.11              | 59    | 1          | 3      | 2014-01-03 | 59    |
| 119.97             | 93    | 1          | 4      | 2014-01-04 | 93    |
| 123.84             | 96    | 1          | 5      | 2014-01-05 | 96    |
| 187.05             | 145   | 1          | 6      | 2014-01-06 | 145   |
| 230.91             | 179   | 1          | 7      | 2014-01-07 | 179   |
| 414.09000000000003 | 321   | 1          | 8      | 2014-01-08 | 321   |
| 136.25             | 125   | 1          | 9      | 2014-01-09 | 125   |
| 95.92              | 88    | 1          | 10     | 2014-01-10 | 88    |
| 204.92000000000002 | 188   | 1          | 11     | 2014-01-11 | 188   |

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## Stock – format data :

IBM Cognos Analytics with Watson

Column: estoque

Format type: Number

Number of decimal places: Default

Negative sign symbol: Default

Use thousands separator: No

Negative sign position: Default

Missing value characters: <empty>

Advanced options

Reset properties

Cancel OK

preco

1.29

1.29

1.29

1.29

1.29

1.29

1.29

1.29

1.09

1.09

1.09

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# Sales-Format Data:

IBM Cognos Analytics with Watson

New data module

Search content

Data module

Search

New data module

Navigation paths

mock\_kaggle.csv

Revenue

sales

Month Data

Row Id

data

venda

estoque

preco

Data format

Column: sales

Format type: Number

Number of decimal places

Default

Negative sign symbol

Default

Use thousands separator

No

Negative sign position

Default

Missing value characters

<empty>

Advanced options

Reset properties

| data      | venda |
|-----------|-------|
| 014-01-01 | 0     |
| 014-01-02 | 70    |
| 014-01-03 | 59    |
| 014-01-04 | 93    |
| 014-01-05 | 96    |
| 014-01-06 | 145   |
| 014-01-07 | 179   |
| 014-01-08 | 321   |
| 014-01-09 | 125   |
| 014-01-10 | 88    |
| 014-01-11 | 188   |

# Price-Format Data:

IBM Cognos Analytics with Watson

New data module

Search content

Data module

Search

New data module

Navigation paths

mock\_kaggle.csv

Revenue

sales

Month Data

Row Id

data

venda

estoque

preco

Data format

Column: preco

Format type: Number

Number of decimal places

2

Negative sign symbol

Default

Use thousands separator

No

Negative sign position

Default

Missing value characters

<empty>

Advanced options

Reset properties

| preco |
|-------|
| 1.29  |
| 1.29  |
| 1.29  |
| 1.29  |
| 1.29  |
| 1.29  |
| 1.29  |
| 1.29  |
| 1.09  |
| 1.09  |
| 1.09  |

Cancel

OK

# Revenue-Format Data:

IBM Cognos Analytics with W

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🔍

📁

Data module

🔍 Search

📄 New data module

📁 Navigation paths

📄 mock\_kaggle.csv

📄 Revenue

📄 sales

▶ # Month Data

▶ # Row Id

▶ ⌚ data

📄 venda

📄 estoque

📄 preco

Column: Revenue

Format type: •

Number ▼

① Number of decimal places •

0

×

▼

① Negative sign symbol

Default

▼

① Use thousands separator •

No

▼

① Negative sign position

Default

▼

① Missing value characters

<empty>

Advanced options

Reset properties ↺

Cancel

OK

Properties

| data      | venda |
|-----------|-------|
| 014-01-01 | 0     |
| 014-01-02 | 70    |
| 014-01-03 | 59    |
| 014-01-04 | 93    |
| 014-01-05 | 96    |
| 014-01-06 | 145   |
| 014-01-07 | 179   |
| 014-01-08 | 321   |
| 014-01-09 | 125   |
| 014-01-10 | 88    |
| 014-01-11 | 188   |

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