

SmartBridge Data Analytics

Assignment-1

Super Store Sales Analysis:

Step 1: Data Prep:

Link: https://us1.ca.analytics.ibm.com/bi/?perspective=ca-modeller&pathRef=.my_folders%2FSample%2BSuperstore%2BData%2BPrep

IBM Cognos Analytics with Watson

Sample Superstore Data Prep

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Properties

Data module

Navigation paths

Year_OrderDate

Month_OrderDate

Day_OrderDate

Region - ...tal Code

Region

Country/Region

State

City

Postal Code

Category...oduct ID

Category

Sub-Category

Product Name

Product ID

Sample Superstore (1).xlsx

Grid

Relationships

Custom tables

11	Day_Ship Date	Day_Order Date	Month_Ship Date	Year_Ship Date	Month_OrderDate	Year_OrderDate	Row Id
11		8	11	2019	11	2019	1
11		8	11	2019	11	2019	2
16		12	6	2019	6	2019	3
18		11	10	2018	10	2018	4
18		11	10	2018	10	2018	5
14		9	6	2017	6	2017	6
14		9	6	2017	6	2017	7
14		9	6	2017	6	2017	8
14		9	6	2017	6	2017	9
14		9	6	2017	6	2017	10

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Properties

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Navigation paths

Year_Order...der Date

Year_OrderDate

Month_...erDate

Day_OrderDate

Region - ...tal Code

Region

Country/Region

State

City

Postal Code

Category...oduct ID

Category

Sub-Category

Product Name

Product ID

Sample Sun... (1).xlsx

Grid

Relationships

Custom tables

	Row Id	Row ID	Order ID	Order Date	Ship Date	Ship Mode	Customer ID
1	1	1	CA-2019-152156	11/8/19	11/11/19	Second Class	CG-12520
2	2	2	CA-2019-152156	11/8/19	11/11/19	Second Class	CG-12520
3	3	3	CA-2019-138688	6/12/19	6/16/19	Second Class	DV-13045
4	4	4	US-2018-108966	10/11/18	10/18/18	Standard Class	SO-20335
5	5	5	US-2018-108966	10/11/18	10/18/18	Standard Class	SO-20335
6	6	6	CA-2017-115812	6/9/17	6/14/17	Standard Class	BH-11710
7	7	7	CA-2017-115812	6/9/17	6/14/17	Standard Class	BH-11710
8	8	8	CA-2017-115812	6/9/17	6/14/17	Standard Class	BH-11710
9	9	9	CA-2017-115812	6/9/17	6/14/17	Standard Class	BH-11710
10	10	10	CA-2017-115812	6/9/17	6/14/17	Standard Class	BH-11710

Step 2: Creating Calculations Such as Year,Month,Day of Order_dates

The screenshots illustrate the process of creating date calculations in IBM Cognos Analytics. The interface shows the 'Data module' on the left and the 'Grid' view on the right.

Screenshot 1: Initial Data View

The 'Data module' shows the 'Sample Superstore Data Prep' data source. The 'Grid' view displays the following data:

Year_Ship Date	Month_OrderDate	Year_OrderDate	Row Id
019	11	2019	1
019	11	2019	2
019	6	2019	3
018	10	2018	4
018	10	2018	5
017	6	2017	6
017	6	2017	7
017	6	2017	8
017	6	2017	9
017	6	2017	10

Screenshot 2: Creating Month_OrderDate

The 'Data module' shows the 'Month_OrderDate' calculation selected. The 'Grid' view displays the following data:

Month_Ship Date	Year_Ship Date	Month_OrderDate	Year_OrderDate
11	2019	11	2019
11	2019	11	2019
5	2019	6	2019
10	2018	10	2018
10	2018	10	2018
5	2017	6	2017
5	2017	6	2017
5	2017	6	2017
5	2017	6	2017
5	2017	6	2017

Screenshot 3: Creating Day_OrderDate

The 'Data module' shows the 'Day_OrderDate' calculation selected. The 'Grid' view displays the following data:

Day_Ship Date	Day_OrderDate	Month_Ship Date	Year_Ship Date
11	8	11	2019
11	8	11	2019
16	12	6	2019
18	11	10	2018
18	11	10	2018
14	9	6	2017
14	9	6	2017
14	9	6	2017
14	9	6	2017
14	9	6	2017

Creating Navigation Paths:

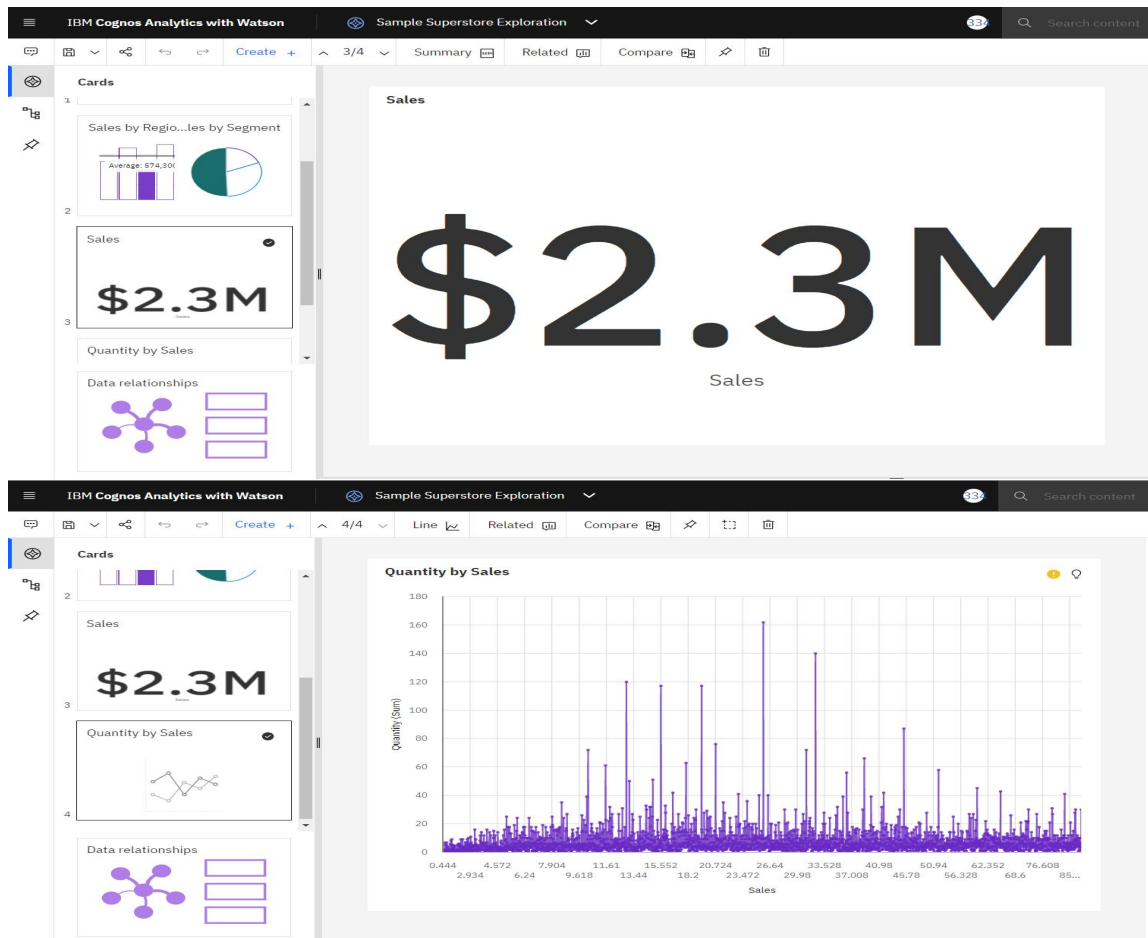
The screenshot shows the IBM Cognos Analytics with Watson interface. The top bar displays 'IBM Cognos Analytics with Watson' and 'Sample Superstore Data Prep'. The left sidebar shows the 'Data module' tree. The 'Region - ...tal Code' folder is selected, and its contents are listed: Region, Country/Region, State, City, and Postal Code. The 'Sample Sup... (1).xlsx' file is also listed. The right sidebar shows the 'Grid' tab selected.

Superstore Exploration:

The screenshot shows the IBM Cognos Analytics with Watson interface. The top bar displays 'IBM Cognos Analytics with Watson' and 'Sample Superstore Exploration'. The left sidebar shows the 'Cards' panel with three cards: 'Sales by Category', 'Sales by Region...les by Segment', and 'Sales'. The 'Sales by Category' card is selected, and its details are shown in the main area. The 'Fields' panel on the right shows the 'Category' field selected.

The screenshot shows the IBM Cognos Analytics with Watson interface. The top bar displays 'IBM Cognos Analytics with Watson' and 'Sample Superstore Exploration'. The left sidebar shows the 'Cards' panel with three cards: 'Sales by Category', 'Sales by Region...les by Segment', and 'Sales'. The 'Sales by Region' and 'Sales by Segment' cards are selected, and their details are shown in the main area. The 'Details' panel on the right shows a table with summary data for Chart A and Chart B.

Summary	Chart A : Sales	Chart B : Sales	Combined
Chart percent of data set	100%	100%	-
Chart percent displayed	50%	50%	-
Average	574300.215	765733.62	-
Chart total	2297200.86	2297200.86	-
Difference of chart totals			-



Dashboard: [Link](#)

