

19BCE2647

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Smartinternz Assignment 01

Data Analytics

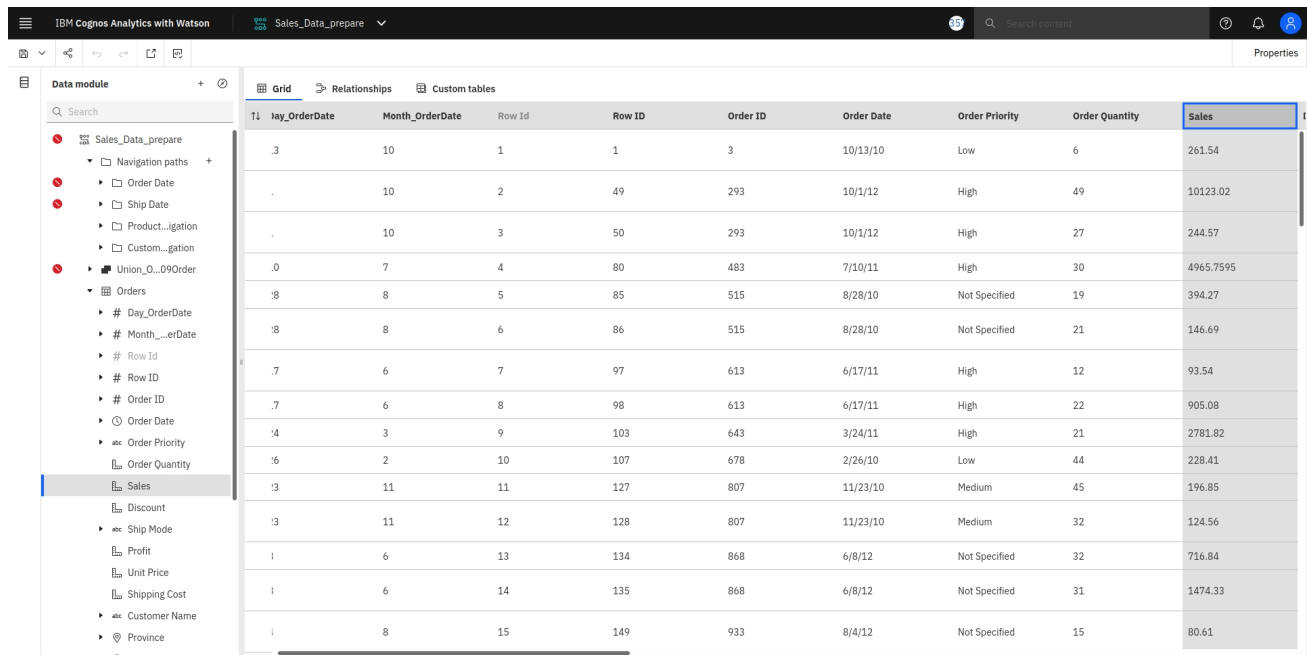
23rd April 2022

Dataset Name: Sales.csv

Link to the dashboard:

https://eu2.ca.analytics.ibm.com/bi/?perspective=dashboard&pathRef=.my_folders%2FSales_Dashboard_21-04-2022&action=view&mode=dashboard

Data Preparation:



The screenshot displays the IBM Cognos Analytics interface. On the left, the 'Data module' pane shows a navigation tree with folders like 'Sales_Data_prepare', 'Orders', and 'Sales'. The 'Sales' folder is selected. The main area shows a 'Grid' view of the data. The table has columns: 'lay_OrderDate', 'Month_OrderDate', 'Row Id', 'Row ID', 'Order ID', 'Order Date', 'Order Priority', 'Order Quantity', and 'Sales'. The 'Sales' column is highlighted. The table contains 15 rows of data.

lay_OrderDate	Month_OrderDate	Row Id	Row ID	Order ID	Order Date	Order Priority	Order Quantity	Sales
.3	10	1	1	3	10/13/10	Low	6	261.54
.	10	2	49	293	10/1/12	High	49	10123.02
.	10	3	50	293	10/1/12	High	27	244.57
.0	7	4	80	483	7/10/11	High	30	4965.7595
:8	8	5	85	515	8/28/10	Not Specified	19	394.27
:8	8	6	86	515	8/28/10	Not Specified	21	146.69
.7	6	7	97	613	6/17/11	High	12	93.54
.7	6	8	98	613	6/17/11	High	22	905.08
:4	3	9	103	643	3/24/11	High	21	2781.82
:6	2	10	107	678	2/26/10	Low	44	228.41
:3	11	11	127	807	11/23/10	Medium	45	196.85
:3	11	12	128	807	11/23/10	Medium	32	124.56
:	6	13	134	868	6/8/12	Not Specified	32	716.84
:	6	14	135	868	6/8/12	Not Specified	31	1474.33
:	8	15	149	933	8/4/12	Not Specified	15	80.61

Fig: Creating Navigation Path and Exploring data

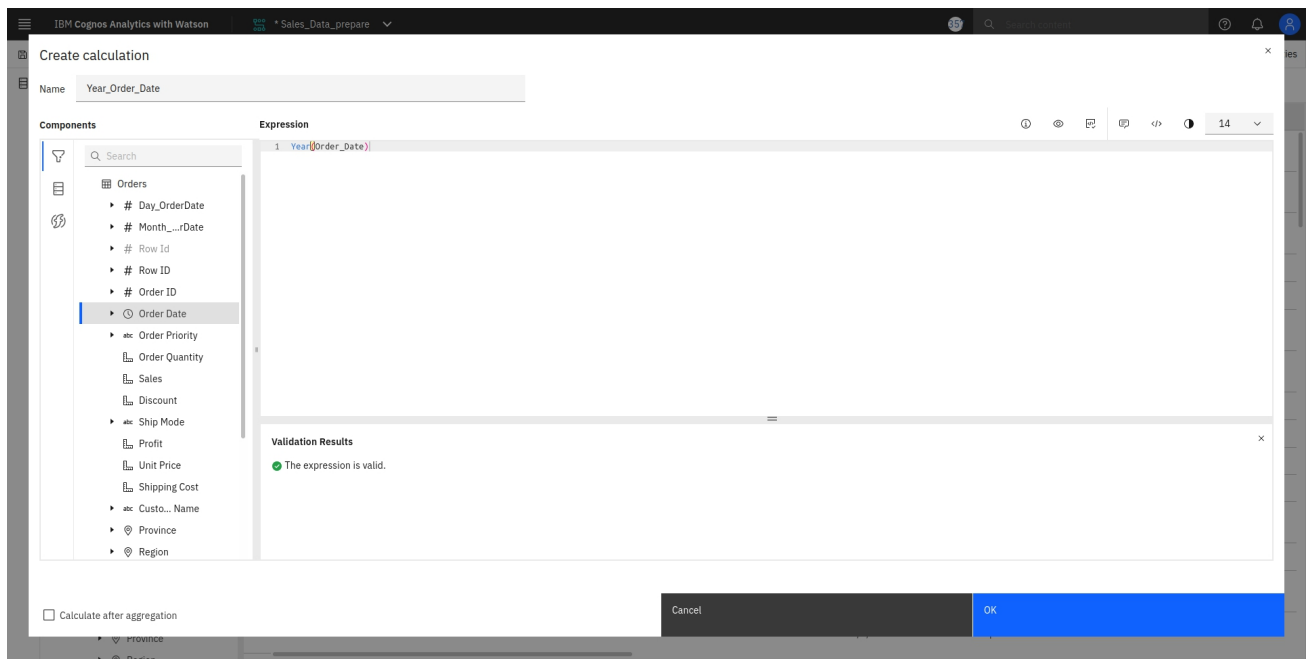


Fig: Calculating Year, Month, Day of Order Date and Ship Date

Date Exploration

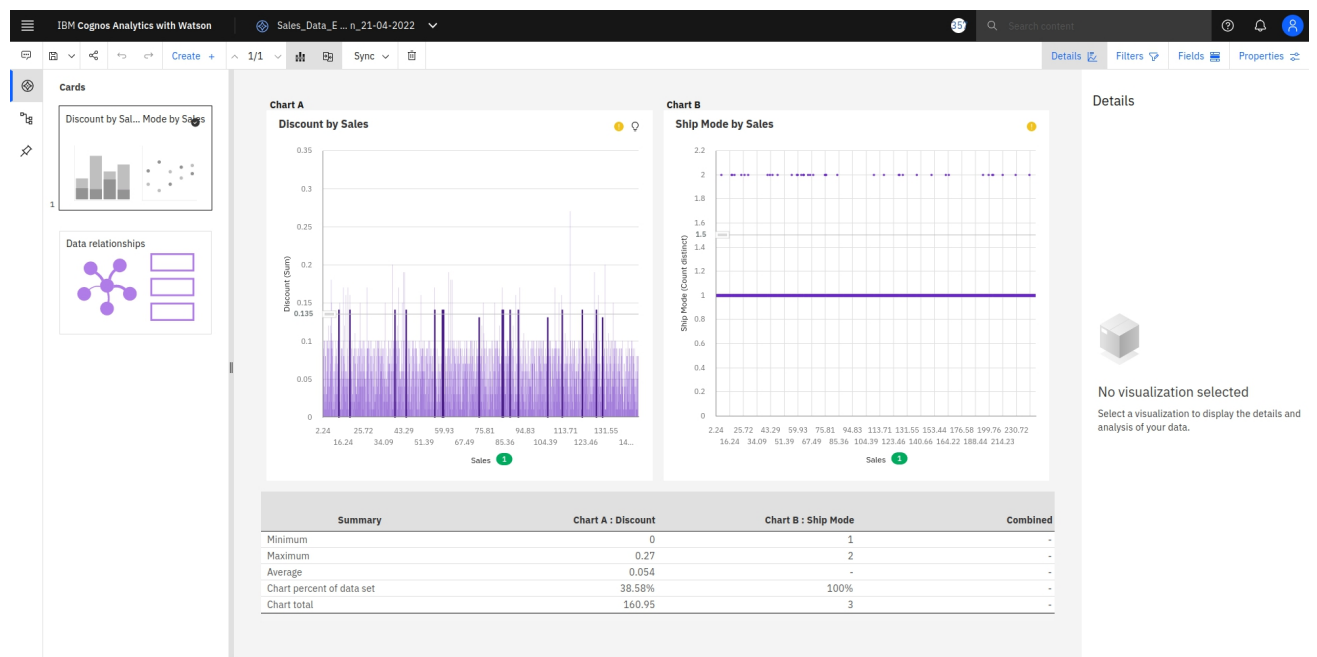


Fig: Data exploration of Sales vs Discount and Sales vs Ship Mode

Summary	Chart A : Discount	Chart B : Ship Mode	Combined
Minimum	0	1	-
Maximum	0.27	2	-
Average	0.054	-	-
Chart percent of data set	38.58%	100%	-
Chart total	160.95	3	-

Fig: Summary of the data presented for Discount and Sales Mode with sales

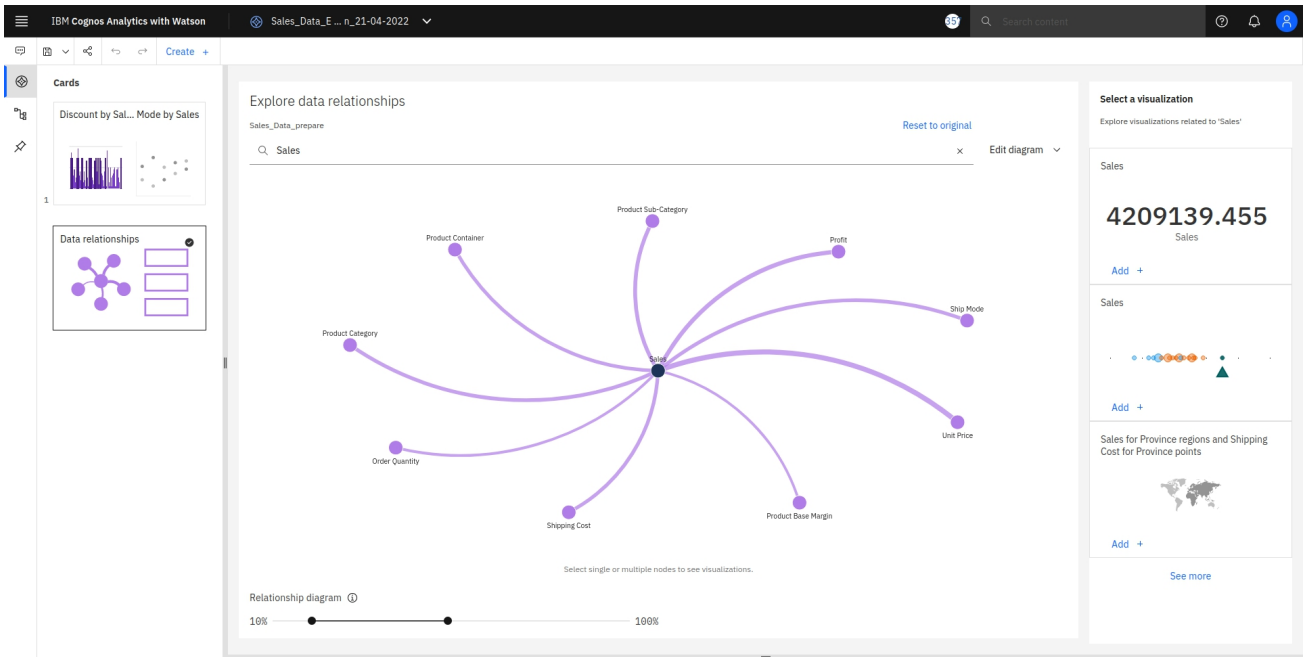


Fig: Relation of Sales with other attributes

Dashboard for Sales Data with some data visualization

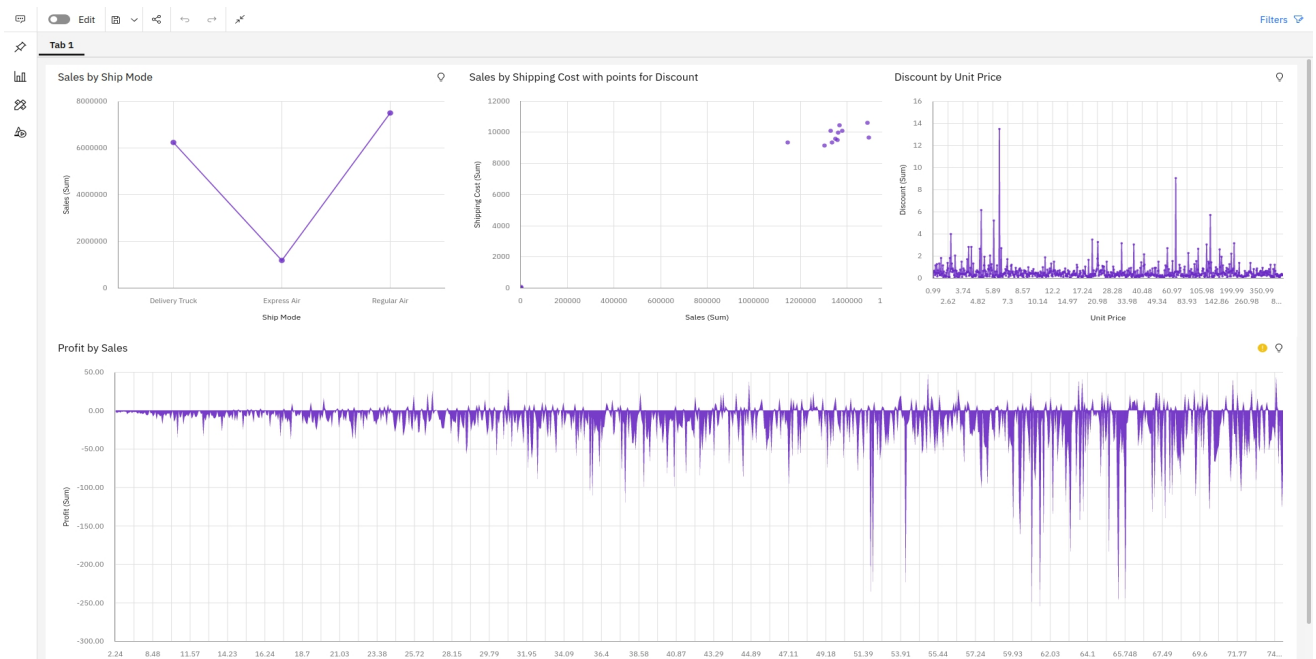


Fig: Dashboard prepared for data visualization



Fig: Showing shales by ship mode property

Conclusion by graph of sales by ship mode:

- 1) Sales by Delivery truck and regular air is found to be more.
- 2) Sales though Express air is found to be less.

Conclusion by graph of Sales and shipping cost:

- 1) Sales is found to be high when shipping cost is around 10000.

Similarly we can derive other conclusions from the dashboard.