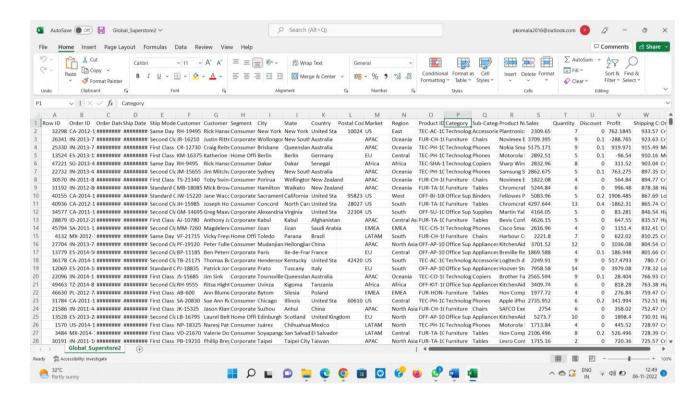
EXPLORATORY DATA ANALYSIS

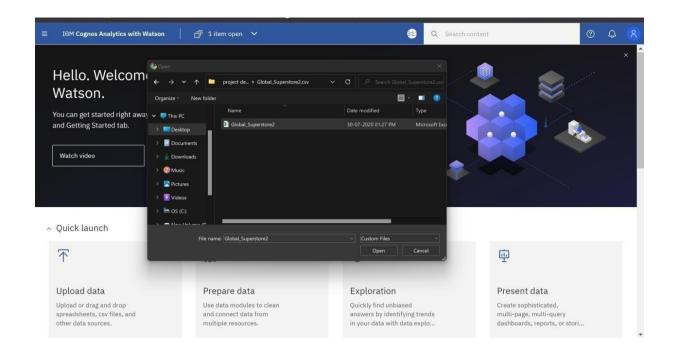
Team ID	PNT2022TMID13846
Project Name	Global Sales Data Analytics

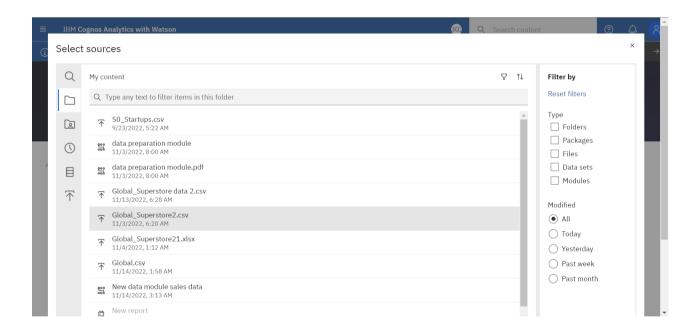
Dataset:



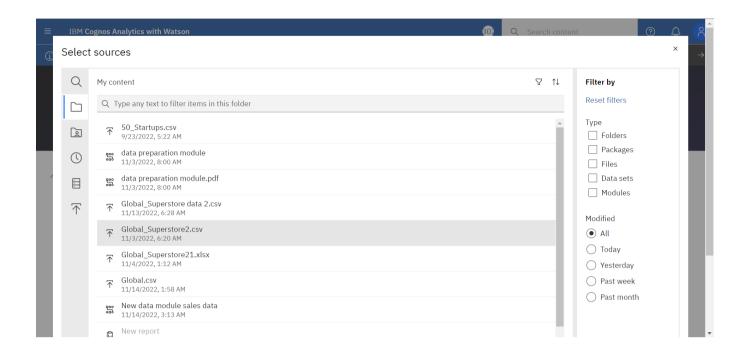
Uploading the dataset:

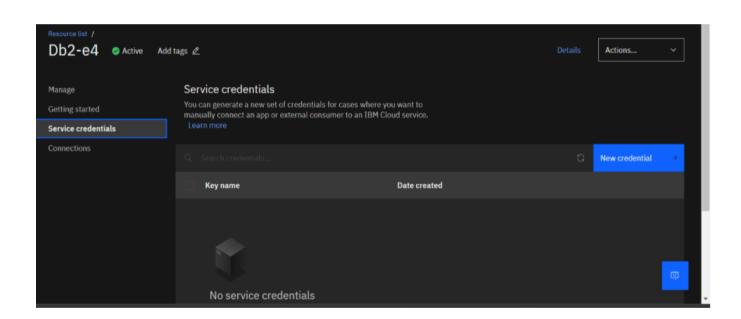
The data set can be uploaded via upload or by connecting with the cloud account and fetch the meta data form DB2



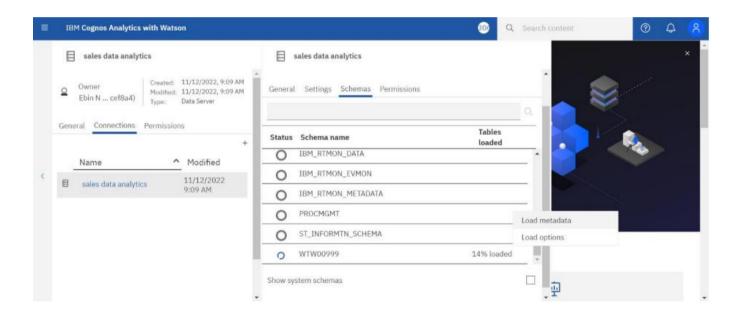


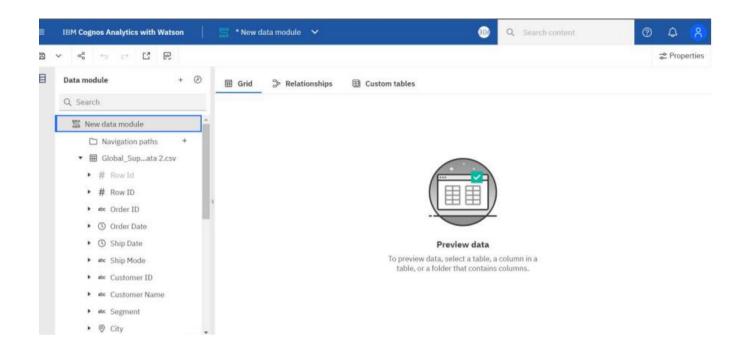
It can be also achieved by the use of the cloud db2





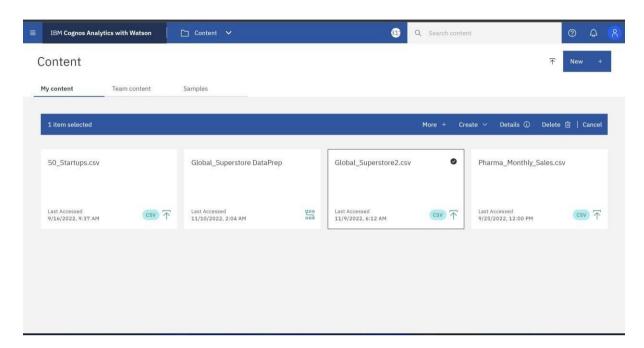
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| IBM Cloud | Search resources and products... | Q | Catalog | Manage | V | Ebin N L's Account | (a) | Catalog | Manage | V | Ebin N L's Account | (b) | Catalog | Manage | V | Ebin N L's Account | (c) | Catalog | Manage | V | Ebin N L's Account | (c) | Catalog | Manage | V | Ebin N L's Account | (c) | Catalog | Manage | V | Ebin N L's Account | (c) | Catalog | Manage | V | Ebin N L's Account | (c) | Catalog | Manage | V | Ebin N L's Account | (c) | Catalog | Manage | V | Ebin N L's Account | (c) | Catalog | Manage | V | Ebin N L's Account | (c) | Catalog | Cat
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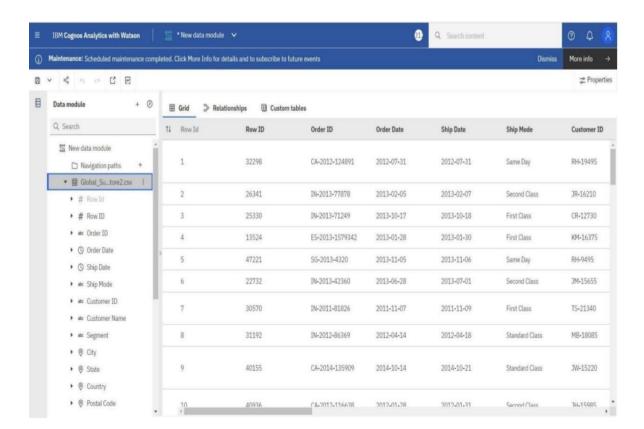


Data Preparation:

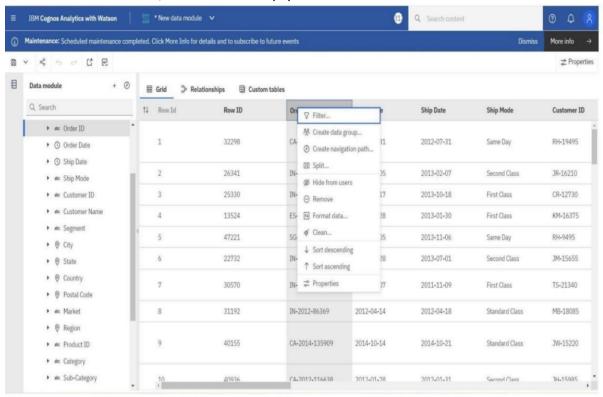
• First understand and load the dataset.

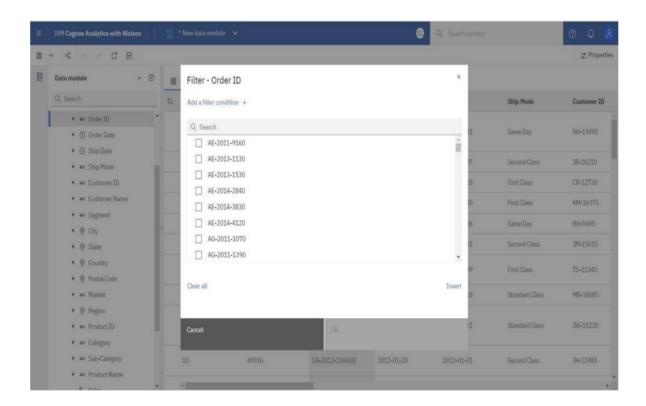


 Since there is only one single file, there need not be any relationships or custom tables for the data.



• To prepare the data, we need to verify it is clean. There must be no null values. If there are null values, there will be empty data.

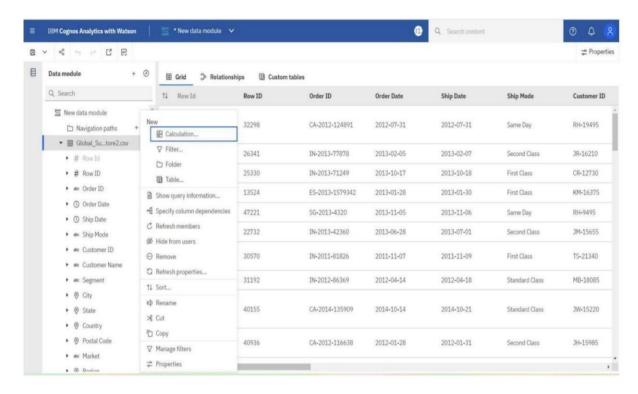




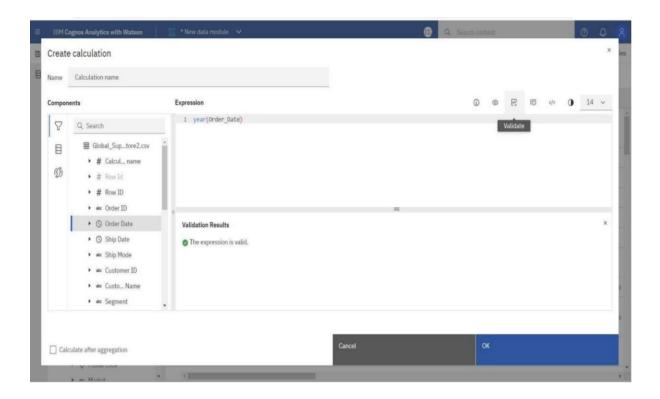
• Once cleaned save the data.

Data calculations and navigation paths:

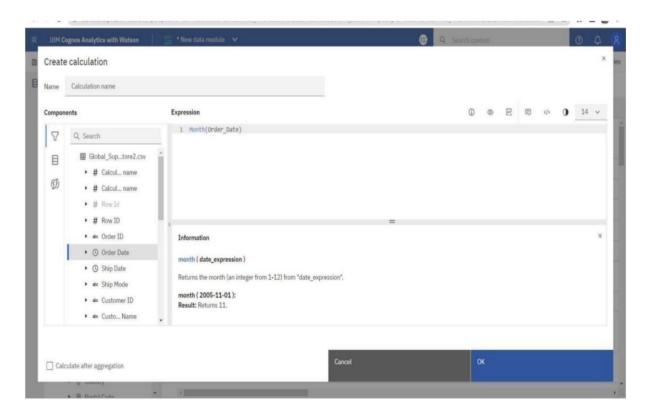
- Once you load the data, we need to prepare the data.
- Prepare calculations of year, month, day fields and also related navigation paths.
- Create a few more calculations Target sales, Min sales, Max sales, Middle Range sales.



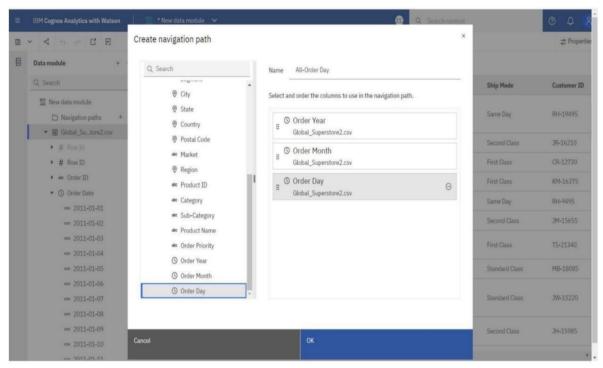
• Right click ->calculation -> type expression -> validate -> set new name as Order Year.



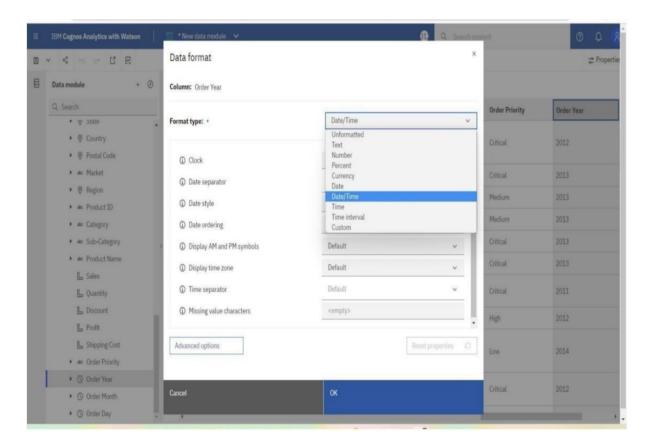
• Similarly, 'Order Month', 'Order Day' and 'All'.



• Right click on create navigation path.

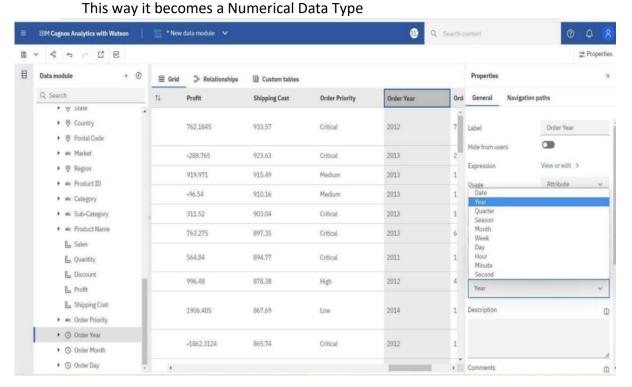


Data format -> date/Time



Properties -> usage -> Attribute
 Aggregate -> Count Distinct

Data Type -> Integer
Represents -> Time, (Year, Month, Day respectively)
Display options -> show members
This way it becomes a Numerical Data Type



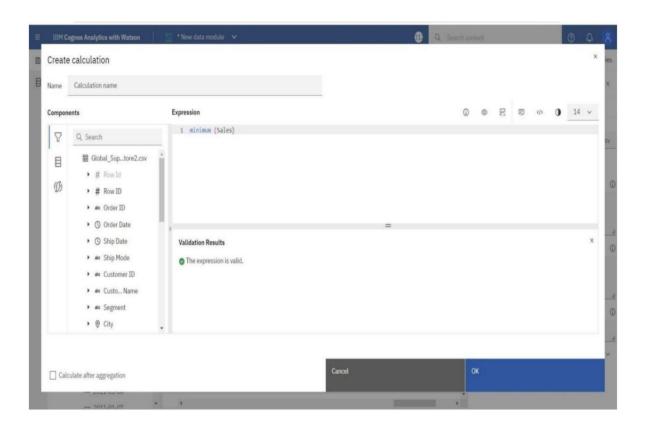
- Hence calculations for day, month and year are completed.
- Similarly calculations for Target sales, Min sales, Max sales And Middle range sales are done.

Min sales -> Minimum(sales)

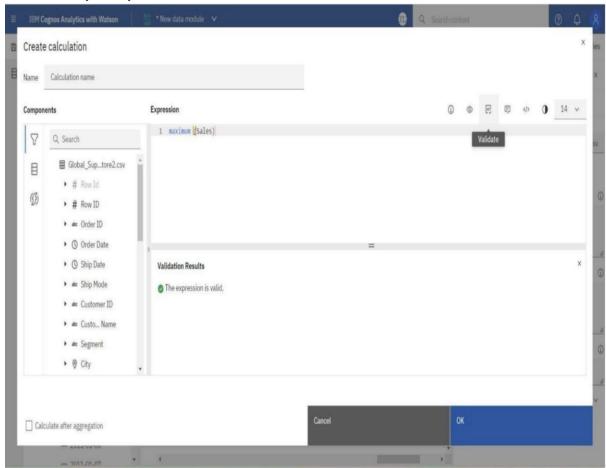
Max sales, Target sales -> Maximum(sales)

Middle range sales -> Average (sales)

Minimum(sales)



Maximum(sales)



Middle Range(sales)

