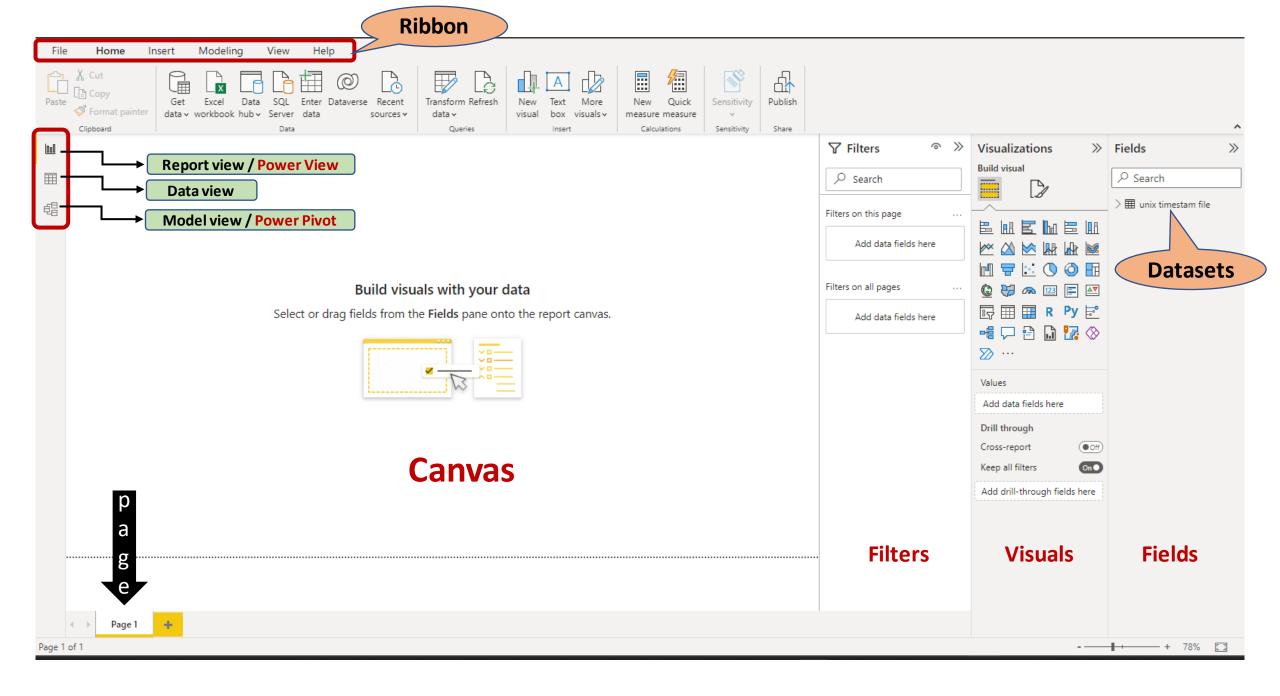
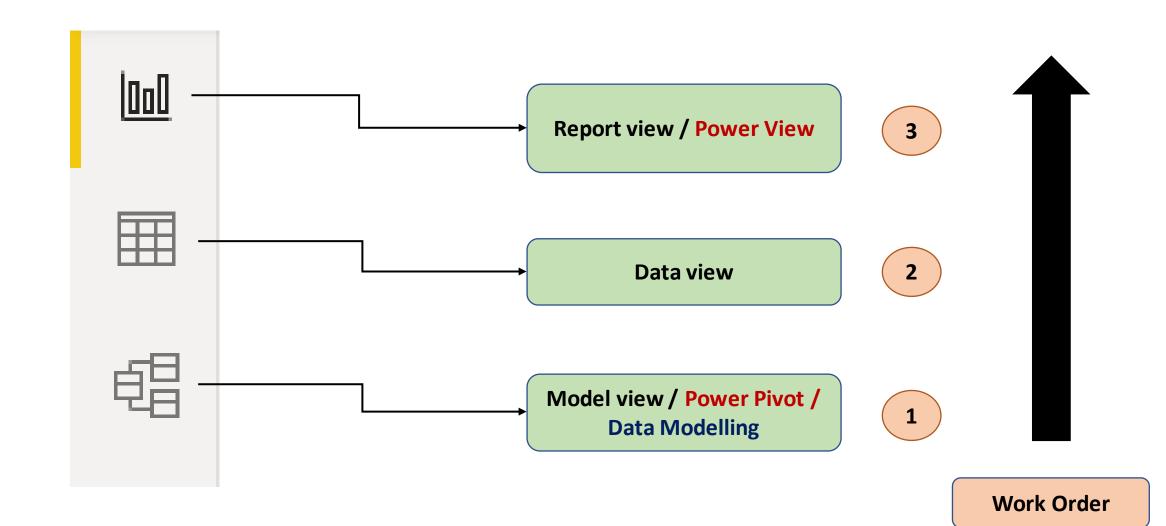
Power BI Desktop





Data Modelling

Key Concepts

Relationship

Edit Relationship

Bi-Direction cross filtration

Cardinality

Relationship

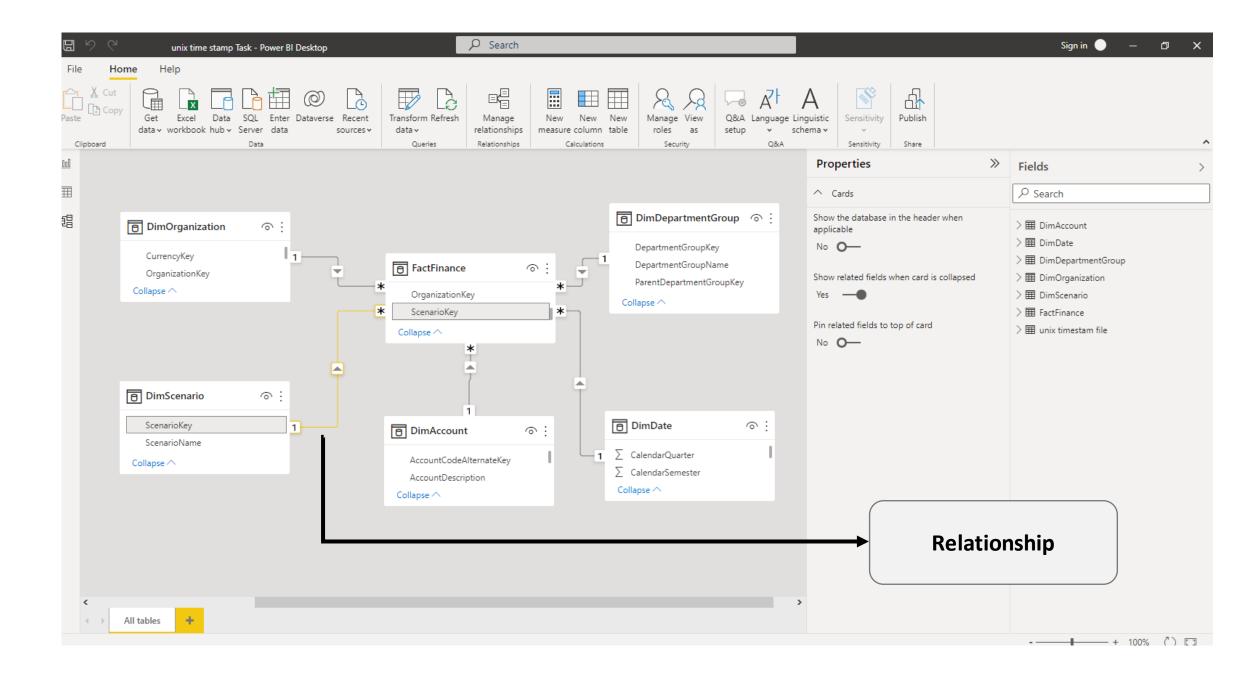
A relationship is used to perform data filtration between two tables.

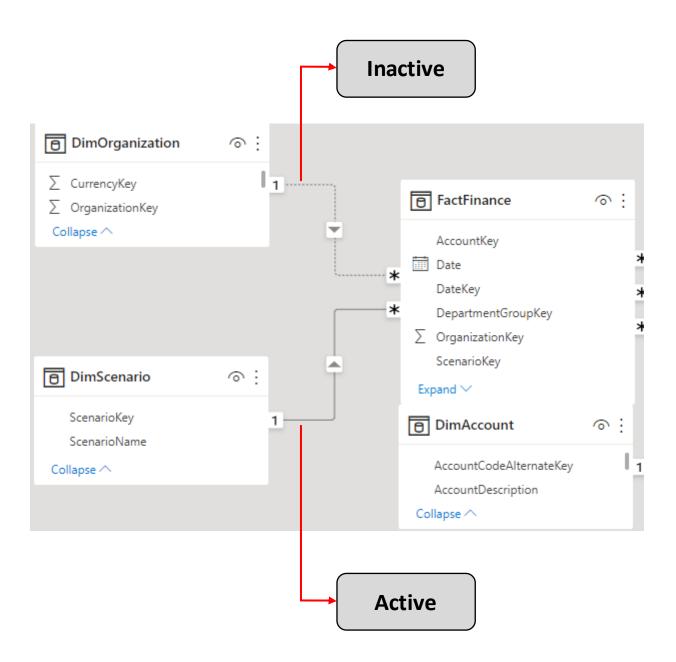
If there is no relationship between the tables, the values will be same in the visual graphs. (It will show aggregated value for all visuals) This also key indication in visual that there is no relationship

Two types of Relationships

Active

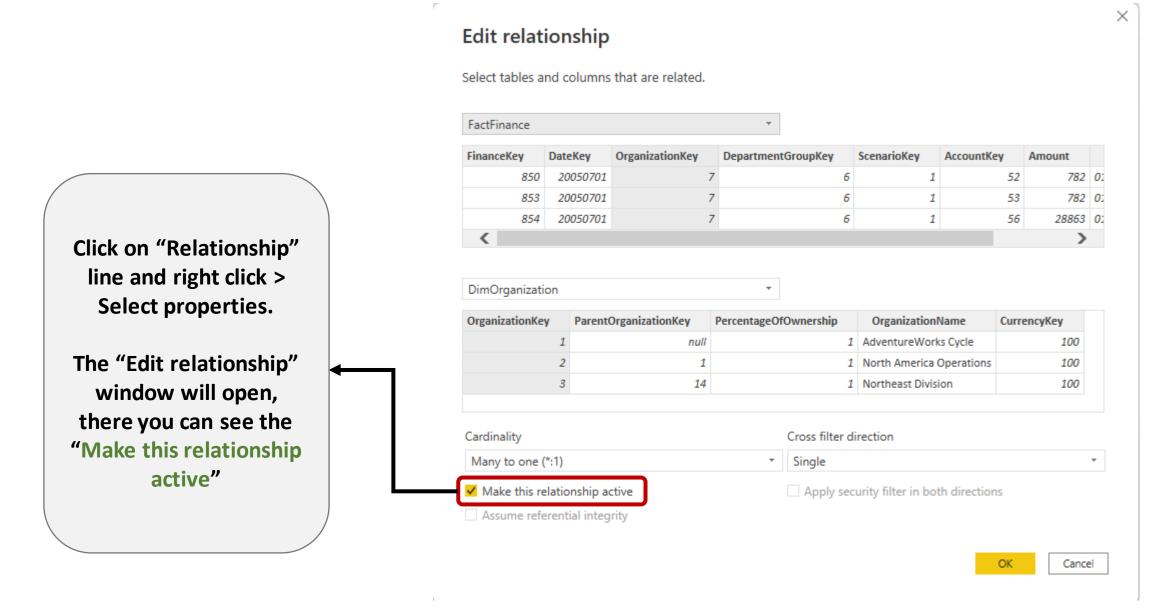
Inactive

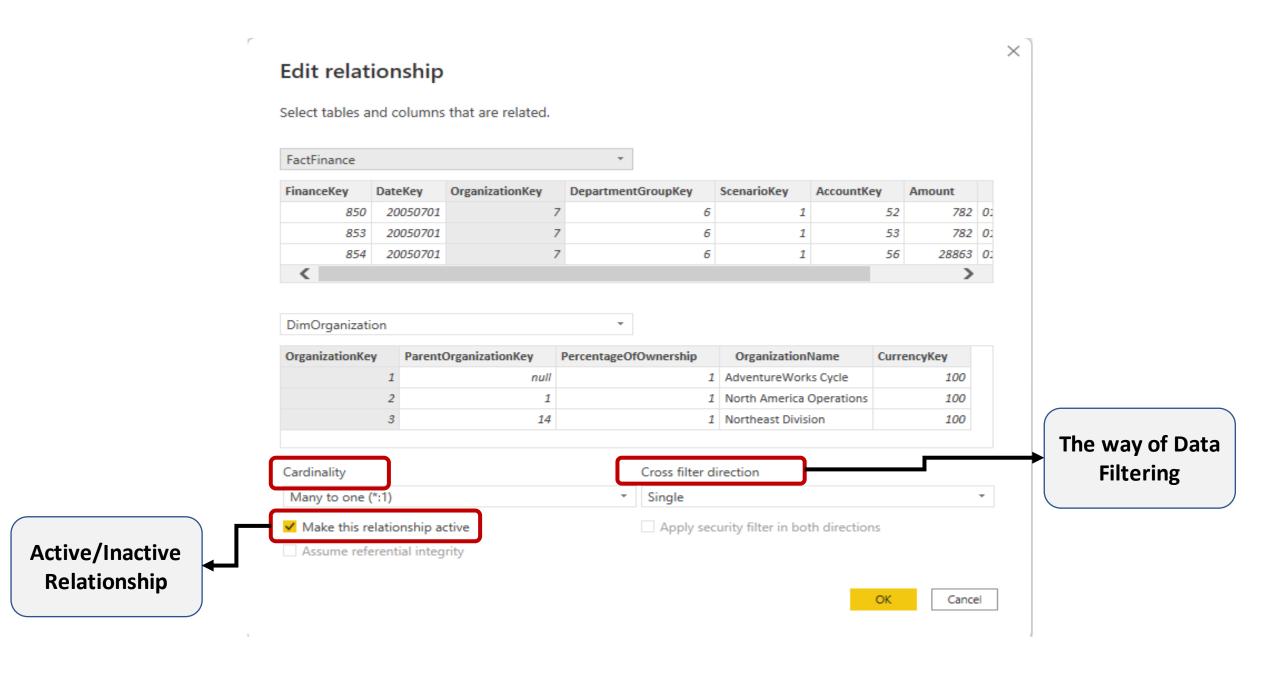




We cannot perform Data Filtration

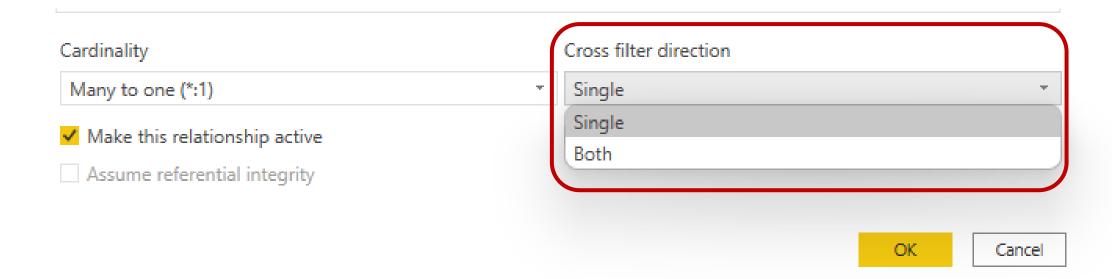
We can perform Data Filtration



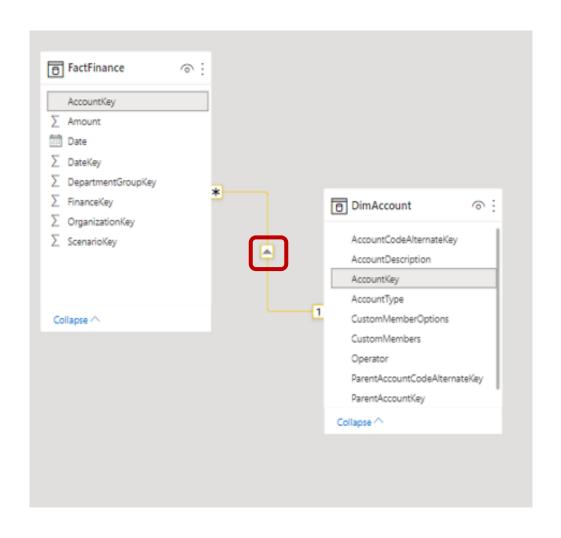


Cross Filter Direction

It will define the way of data filtration between the two tables



Example for Cross Filter Direction



DimAccount is connected to FactFinanace with Account key



DimAccount Can filter FactFinance

But

FactFinance Cannot filter DimAccount



Cross filter Direction : Single

DimAccount> Operator Column FactFinance > Amount Column

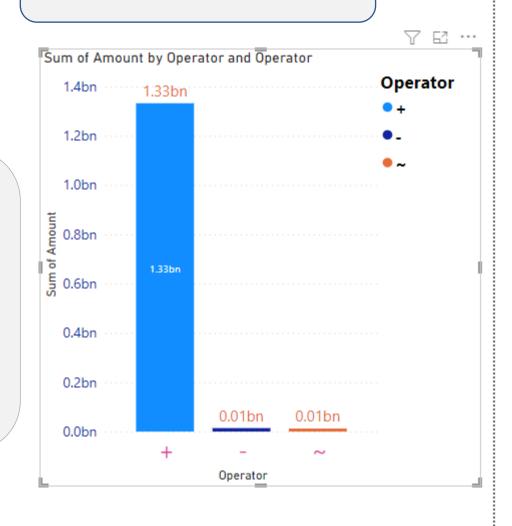
In this scenario,

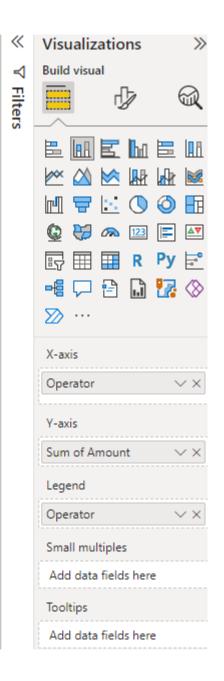
X axis: Details (DimAccount)

Y axis: Values (FactFinance)

Now, we can see the filtration from DimAccount to FactFinance.

Similarly, in X-axis we update with FactFinance, in Y-axis we update with DimAccount.



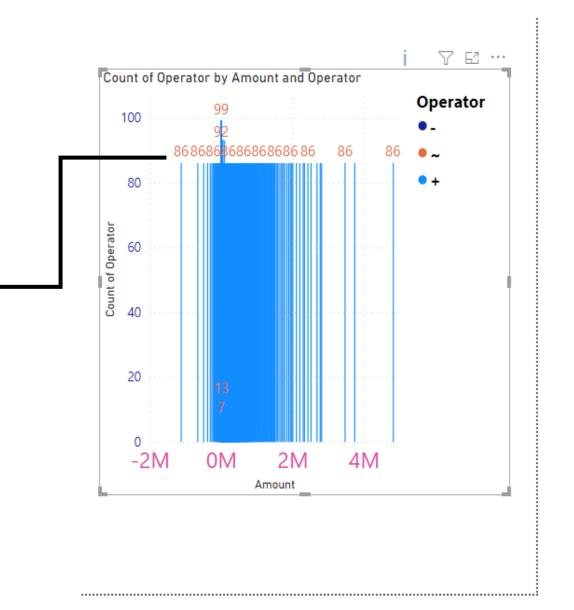


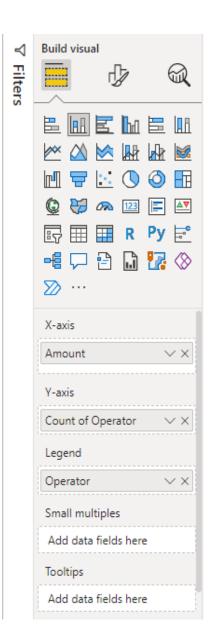
DimAccount> Operator Column FactFinance > Amount Column

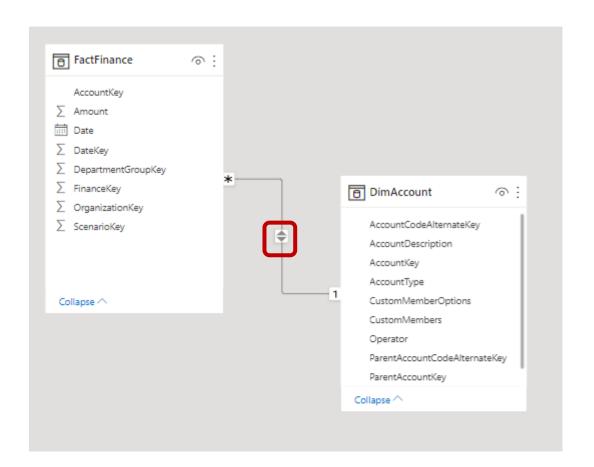
In X-axis we update with FactFinance, in Y-axis we update with DimAccount.

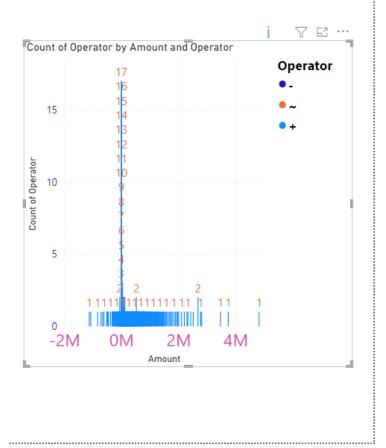
The values are showing 86 for all, it is due to single direction from DimAccount to FactFinance.

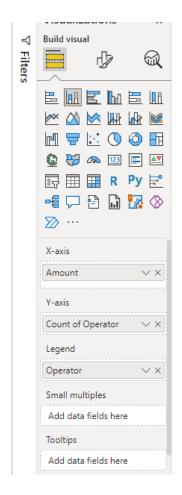
If we update with Both direction, the filtration will take place from FactFinance to DimAccount.











If we update with **Both** direction, the filtration is applied from FactFinance to DimAccount.