Cross Filter Direction Data

**Scenario 1: Single🡪** Whenever there is one to many relationship between the 2 tables, then in those table Cross Filter Direction is **Single** by default. The arrow goes to the child table. That means any column (means dimension) of the parent table can filter data (means measures) of the child table.

In this scenario if we take dimension from the child table and measure from parent table then it will give us weird results!!

**Scenario 2: Both 🡪** The value **Both** of Cross Filter Direction is NOT significant for the one to many relationship.

The value **Both** becomes significant and also default when Power BI identifies Many-to-Many relationship between the 2 tables. Also, on its own even if the column names are same still Power BI will not create relationship by default. We need to explicitly create the relationship.

**Then in this scenario dimension column from any table can filter measure of the other table.**

**Scenario 3: Single in case of M2M relationship 🡪** Two more values are available for Cross Filter Direction, i.e. **Single (table1 filters table2)** and **Single (table2 filters table1)**

When **Single (table1 filters table2)**  then

{

Dimension Column should be of table1 and measure from table2.

If we reverse the combination then weird result comes

}

When **Single (table2 filters table1)**  then

{

Dimension Column should be of table2 and measure from table1.

If we reverse the combination then weird result comes

}

**Scenario 4: One to One 🡪** The value **Both** becomes significant and also default when Power BI identifies one-to-one relationship between the 2 tables.

In this case the value Single is NOT valid.