**Tableau**

|  |  |
| --- | --- |
| **DIMENSIONS** | **MEASURES** |
| Group and segment data (average price per room type) | Can be aggregated |
| Blue | Green |
| Qualitative, usually discrete | Quantitative, usually continuous |
| Rows |  |
| Segment by placing dimensions in rows |  |
|  |  |
| **DISCRETE DIMENSIONS** | **DISCRETE MEASURES** |
| Common (blue) | Not common (blue) |
| Finite number of values | Finite number of values |
| Can’t be aggregated (eye colour, sex date) | Can be aggregated (shoe size, age) |
|  |  |
| **CONTINOUS DIMENSIONS** | **CONTINOUS MEASURES** |
| Not common (green) | Common (green) |
| Infinite number of values | Infinite number of values |
| Can’t be aggregated (date) | Can be aggregated (height, weight) |
|  |  |
| **DIMENSION FILTERS** | **MEASURES FILTER** |
| Blue | Green |
| Y Axis | X Axis |
| Rows | Columns |

**Order of Filters**

1. Extract
2. Data source
3. Context
4. Dimension
5. Measure

**Note**

* **CTRL + 1 for Show Me**
* **Marks Cards**
  + **Text**
  + **Colour**
* **X Y Labels | Marks cards | Filters | Special DO NOT MATCH ALWAYS AUTOMATICALLY**
* **Adding to Marks Cards adds to Row or Column**
* **Drag to Filter Card or Filter Directly (gets added to Filter card)**
* **Change between Measure, Dimension, Discrete, Continuous**
* **Show Filter on Filter Shelf**
* **Use Top, Bottom, Non-Null – Check Aggregation**
* **Measure Names | Measure Values ARE AUTOMATICALLY GENERATED**
* **Edit X Y Axes**
* **Group data**

**AGGREGATION**

* Gathering and summarizing data points for analysis
* Default aggregation for Measures is SUM
* Can only aggregate Dimensions with MIN, MAX, COUNT and COUNT DISTINCT
* Aggregating a Dimension creates a temporary Measure
* All Dimension aggregations can be applied to Measures but not vice-versa