NESTED DIMENSIONS

For the most basic requirement we will have a view consisting of the below mentioned items

Rows or Columns shelf: One dimension
Rows or Columns shelf: One measure
Label on Marks card: One measure (optional)

But for certain requirements we might need to involve multiple dimensions either in **Rows** or **Columns** shelf. In this case we can say that we are having **Nested Dimensions** in the view.

NESTED DIMENSIONS

Hence **Nested Dimensions** involves placing multiple dimensions adjacent (next) to each other on the same shelf i.e., **Rows** or **Columns**

In general, if there are **N dimensions** in a shelf the **Nesting Level** will be "**N -1**"

Although we can have as many dimensions as we it needs to meet the actual requirement or produces the required result.
Hence, we need to carry out nesting of dimensions to the level that is acceptable or meaningful.
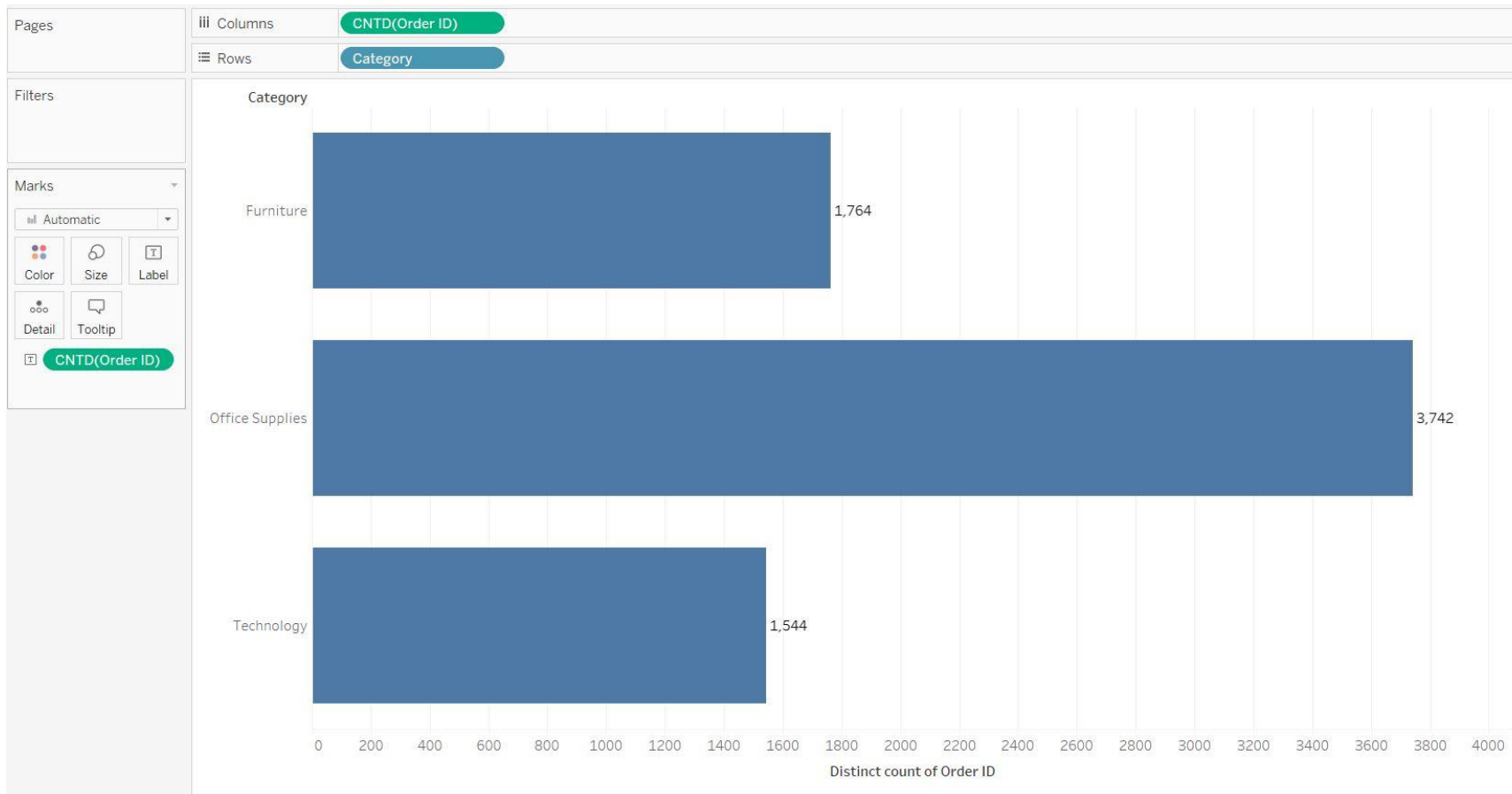
NESTED DIMENSIONS

Step 1: Let us assume that we have the below mentioned Bar Chart visual
Rows Shelf: Category
Columns Shelf: COUNTD([Order ID])
**Label on Marks card:** COUNTD([Order ID])

NESTED DIMENSIONS

Step 2: We can add **Sub-Category** to the **Rows** shelf

The order of placing the dimensions in the Rows shelf depends on the actual requirement i.e., whether it is Category wise, Sub-Category wise Number of Orders or Sub-Category wise, Category wise Number of Orders
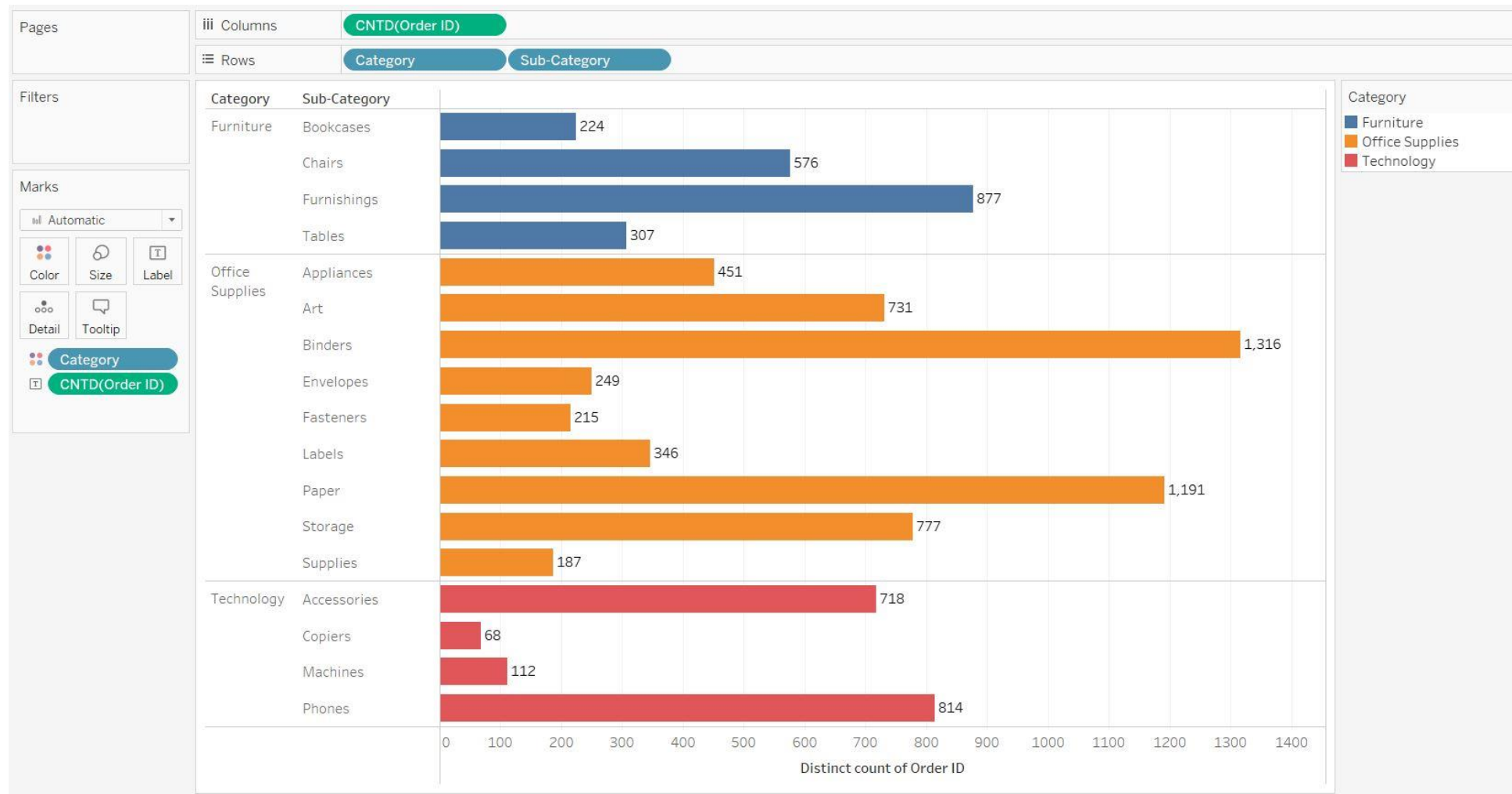
In this case as we are using **2 dimensions** the **Nesting Level** is **1**
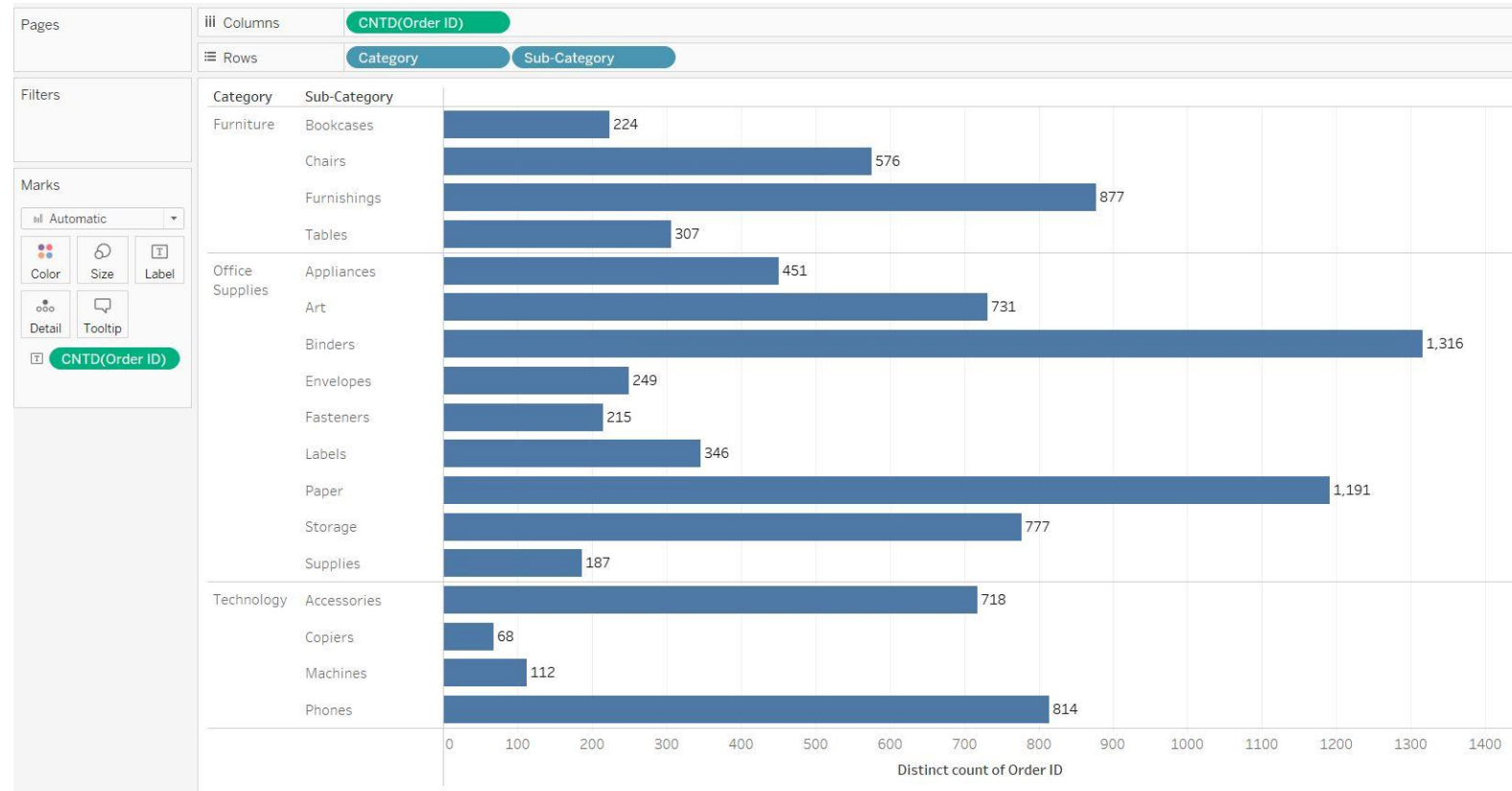
NESTED DIMENSIONS

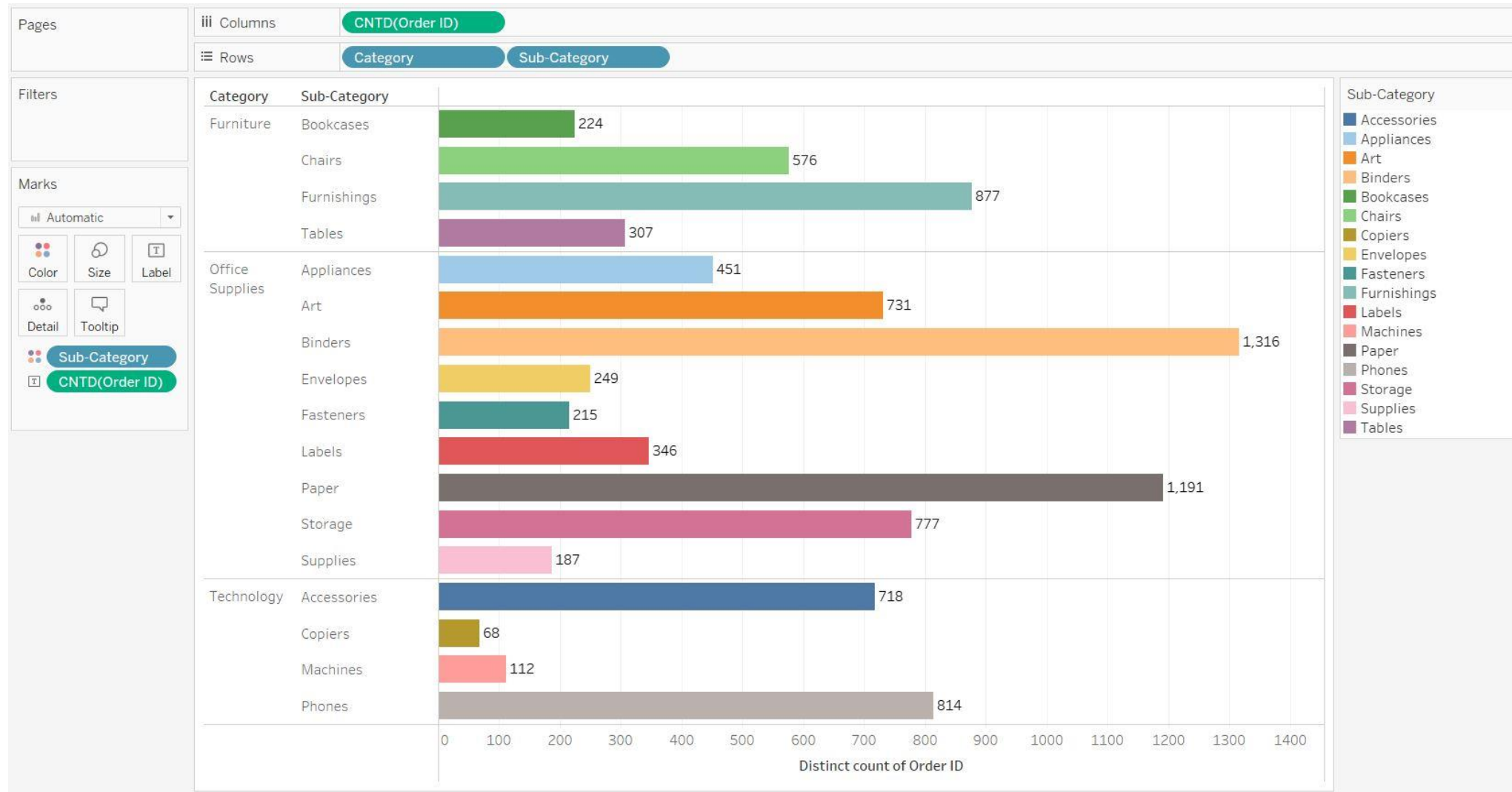**Step 3:** If required we can add **Category** to **Colors** on **Marks** card
Now the marks will be colored as per **Category** as shown in the below view
i.e., there are 3 distinct colors as shown in Color legend for **Category**
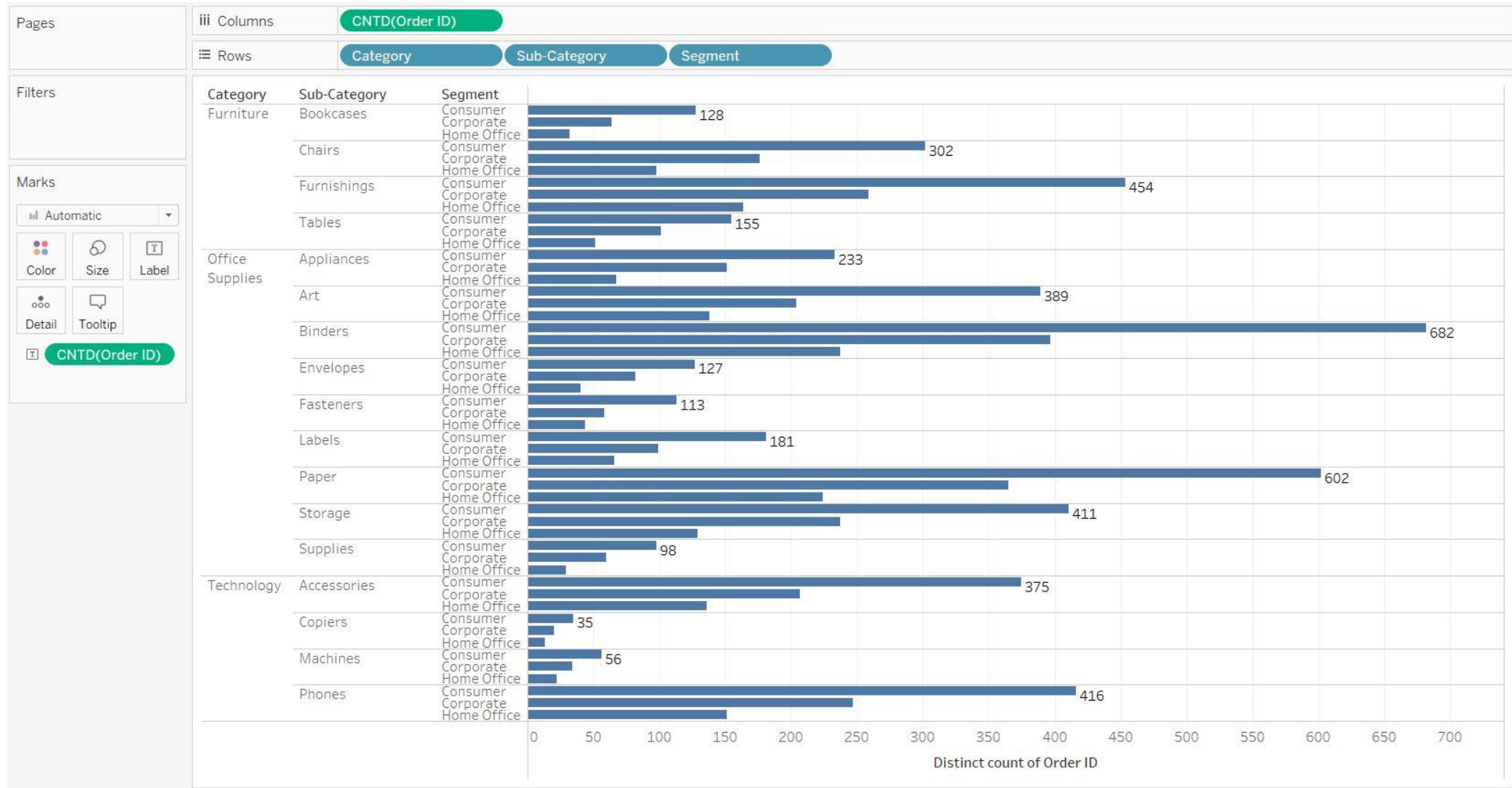
NESTED DIMENSIONS

Step 4: We can also add **Sub-Category** to **Colors** on **Marks** card
In this case there are 17 distinct colors as shown in Color legend for **Sub-Category**

NESTED DIMENSIONS

Step 5: We can add **Segment** to the **Rows** shelf

NESTED DIMENSIONS

Step 6: The **Category** dimension is placed on the **Filters** shelf and filtered for **Office Supplies** to limit the data shown in the view

In this case as we are using **3 dimensions** the **Nesting Level** is **2**