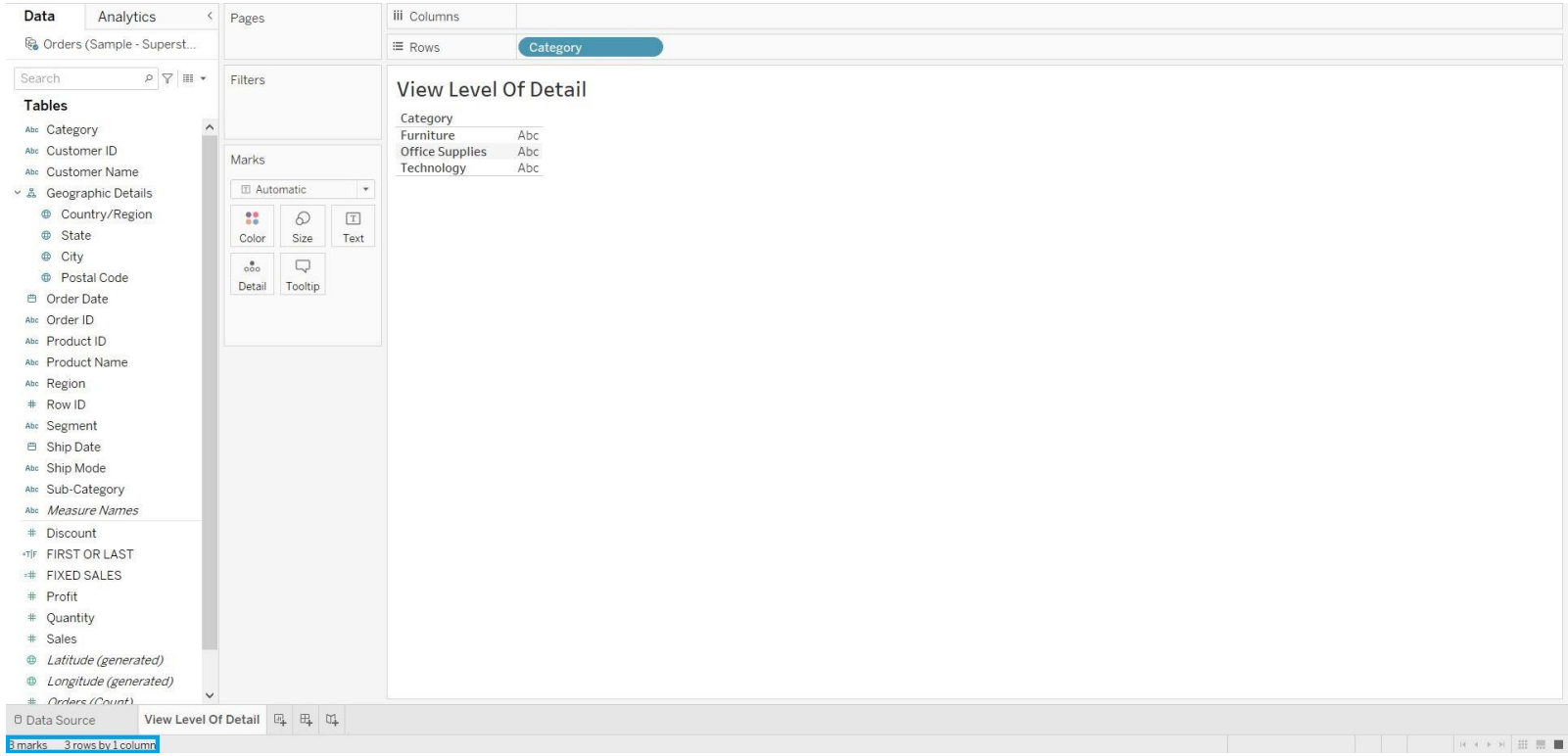
VIEW/VIZ LEVEL OF DETAIL

Whenever we drag any **dimension** into the **view** the **level of detail** or **granularity of the view** will change

For example, if we drag **Category** into the **Rows** shelf, we get **3 marks**
This can be confirmed by checking the **Status Bar** at the bottom of the Tableau workspace



VIEW/VIZ LEVEL OF DETAIL

The **Sales** is dragged to **Columns** shelf

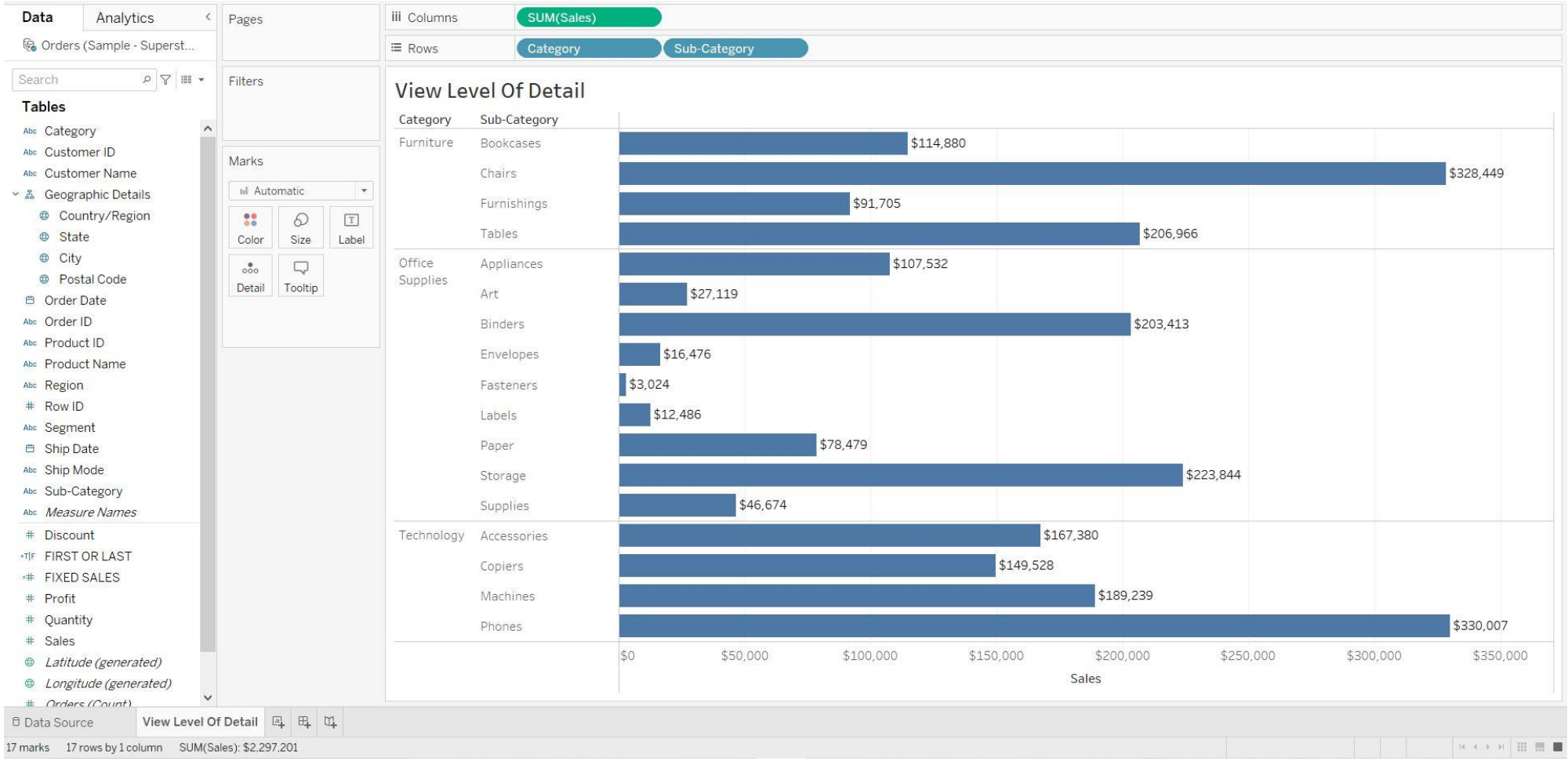
Now we see that each **Category** has the **SUM(Sales)** shown by the **mark labels**

VIEW/VIZ LEVEL OF DETAIL

We drag the **Sub-Category** to the **Rows** shelf

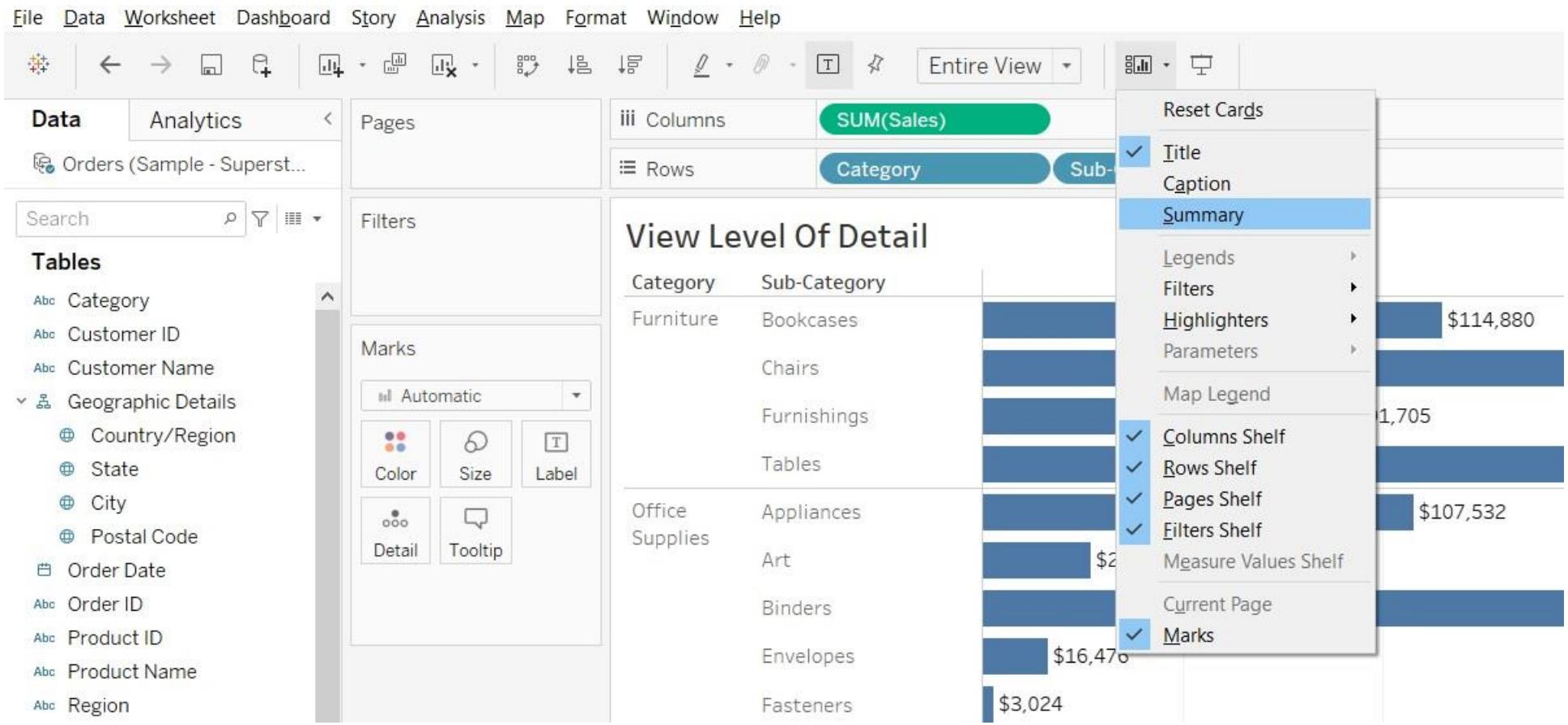
Now the view is **more granular** or **less aggregated**

Hence, we can say that the **level of the detail of the view** is now changed from **3** to **17**



VIEW/VIZ LEVEL OF DETAIL

Turn ON the **Summary** Marks card



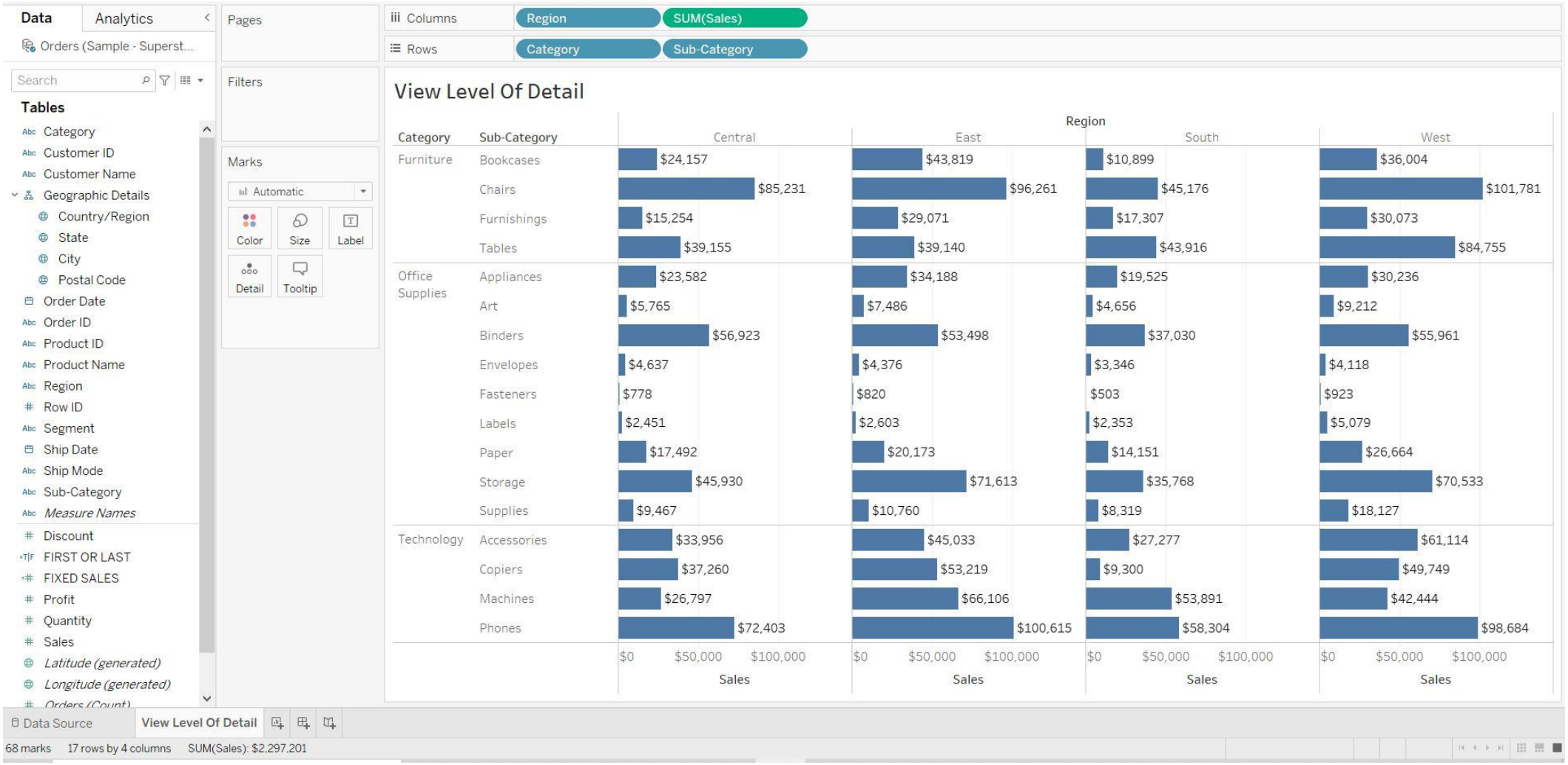
VIEW/VIZ LEVEL OF DETAIL

The total sales of the **Office Supplies** category i.e., **$ 719,047** is now broken into various **Sub-Categories** like Appliances, Art, Binders etc.

VIEW/VIZ LEVEL OF DETAIL

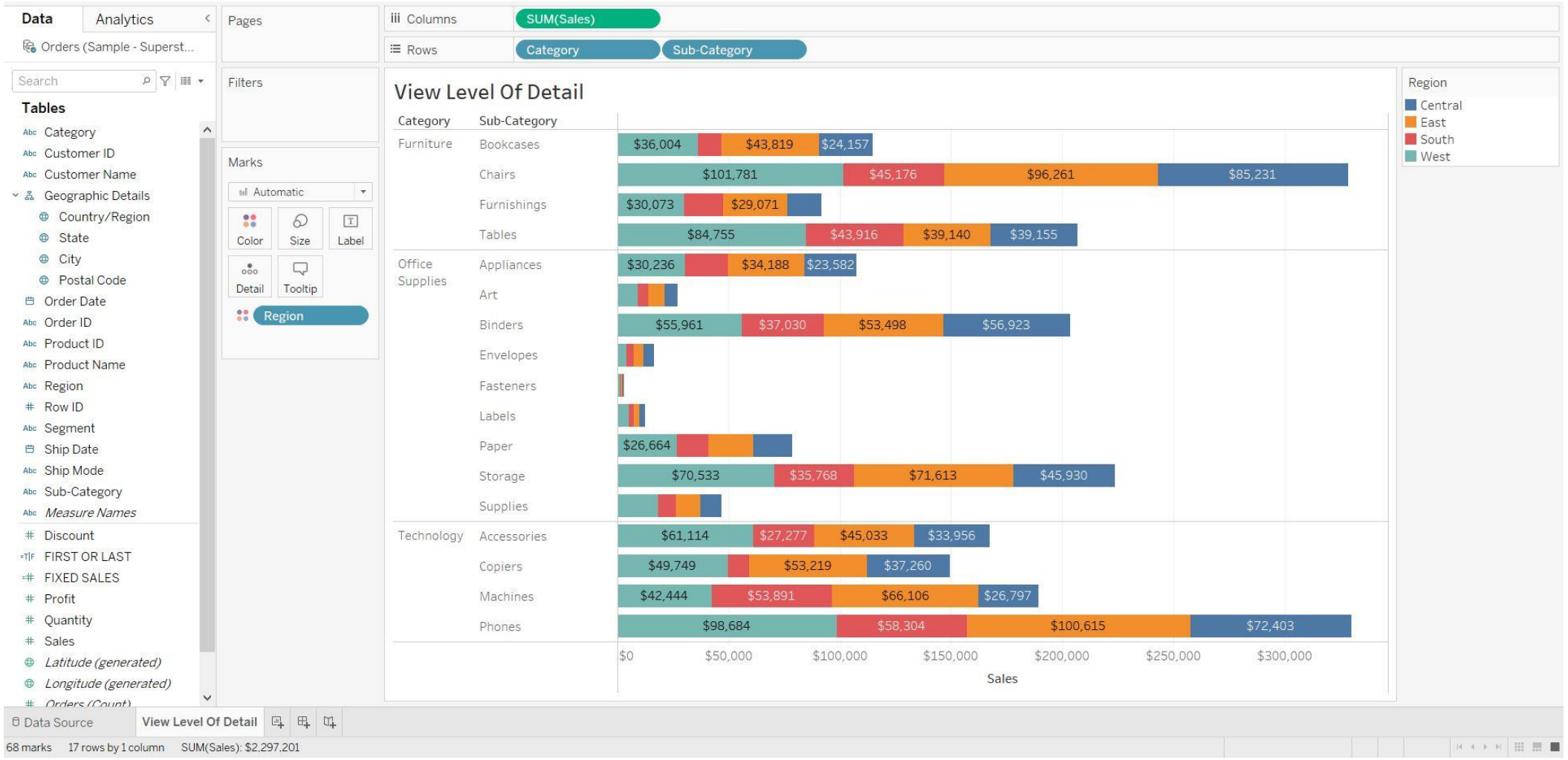
We can now increase the **granularity** of this view by adding **Region** to the **Columns** shelf

The **level of the detail of the view** is now changed from **17** to **68**



VIEW/VIZ LEVEL OF DETAIL

We can also move the **Region** pill to **Color** of **Marks** card

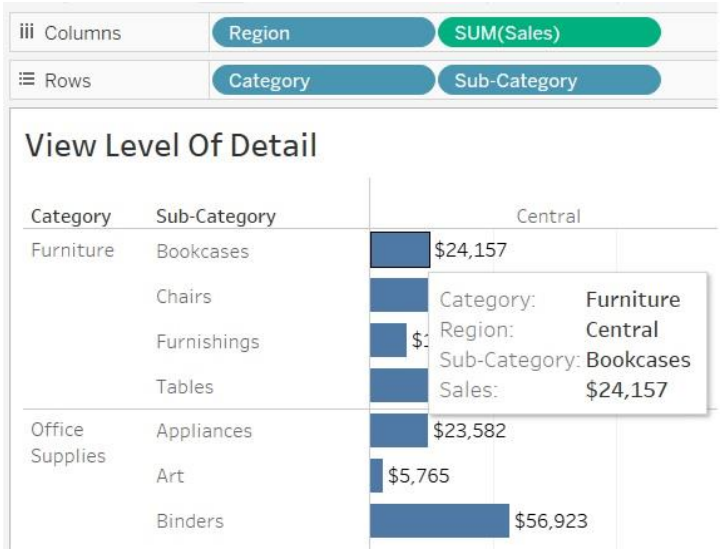


Surprisingly the same **level of granularity** is maintained i.e., we get the same number of marks i.e., **68**

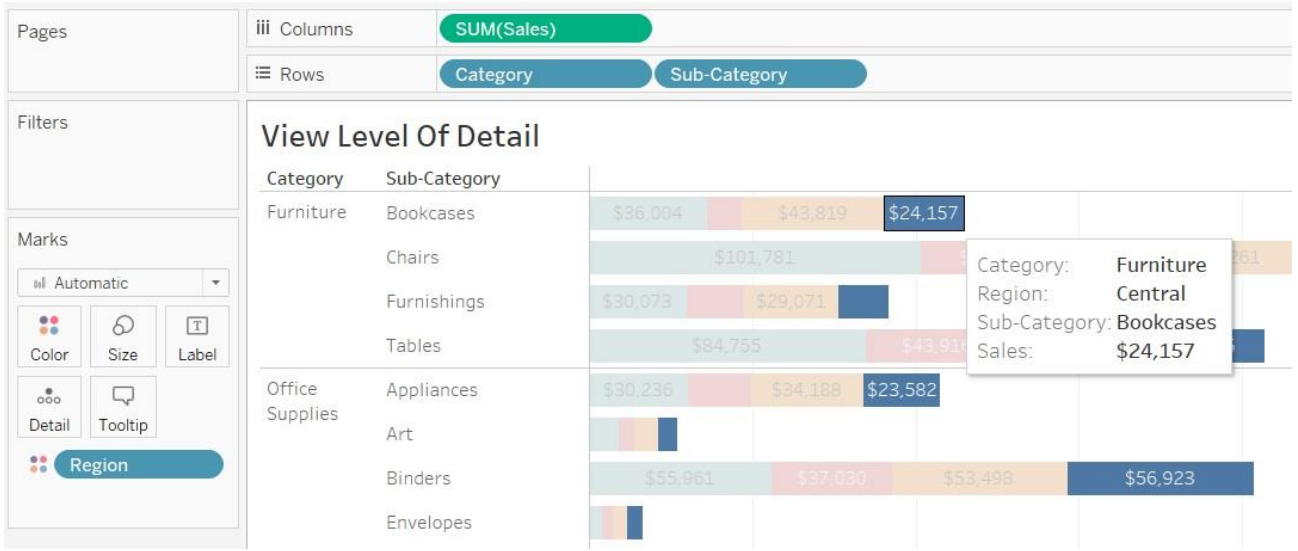
VIEW/VIZ LEVEL OF DETAIL

We can compare one specific mark for both cases i.e., Region on the Columns shelf and Region on the Colors of Marks card

SUM(Sales) is $24,157 for the below mentioned combination of dimensions
Category: Furniture
Region: Central
Sub-Category: Bookcases



Region on the Columns shelf



Region on the Colors of Marks card

SUMMARY OF VIEW/VIZ LEVEL OF DETAIL

Given below are the important points with respect to View/Viz Level of Detail or Granularity

Point#1: It is controlled by **Rows** , **Columns** shelf and **Color Marks** card
Point#2: It is primarily controlled by the **Dimensions**

NOTE: The other sections of the Marks card can also be used e.g.: **Size**, **Label** and **Detail**. But the change in the Viz is visually more noticeable if we make use of Color

NOTE: There will be **no change in granularity** if the **dimension** is moved to the **Tooltip** of **Marks** card

In some instances, or use cases we might need to **perform calculations** or analysis that are **not at the View Level Of Detail**
This is where we need to make of **Level Of Detail Expressions (LOD)**