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**Lab-4**

**INFO 5709-Data Visualization and Communication**

**Q1**: The total amount of profit is 1,312,442.

**Q2**: A screenshot of a computer

Description automatically generated

**Q3**: “Sales” has the heighest measure value, with measure value is 2,852,360.

**Q4**: A screenshot of a computer

Description automatically generated

In the graph above, we have taken attributes such as sales and sub-categories for visualization, here we wanted to know how dimesions i.e. category makes impact on our visualization, from the graph it can be interpreted that the use of category has made visualization descrete and does’t convey any point to the viewer, we can notice that each category that is “Furiture”, ”Office Supplies” and “Technology” all three are represented in different colors.

A screenshot of a computer

Description automatically generated

For the graph above we can say that the use of dimesions gives us the continuous visualization and use of same color of different shades gives the depiction of continuous values where darker the color, heigher the value while lighter the color, lesser the value.

**Q5**: A map of the united states

Description automatically generated

A screenshot of a computer

Description automatically generated

**Q6**: A screenshot of a computer

Description automatically generated

**Q7**: “Appliances” has the lowest sales done among the top 10 sales and the sale done by “Appliances” is 456,723.

**Q8**: A screenshot of a computer

Description automatically generated

In ABC data set I have used “Age” and “Group” attributes as to filter the data I have use “Group”and filtered the data on basis of top 2.