**Use sample\_Coffeechain project and solve following questions -**

1. Display no. of records for each product using horizontal bar.

2. Show no. of records for each state using Tree map and group it by market size.

3. Build scatter plot of actual cost vs actual profit by state.

4. Build scatter plot of marketing vs total\_expenses by product.

5. Build tree map of marketing by product and group it by product type. Find out which product type is best.

6. Build tree map of total expenses by state and group it by market.Find out which market is best.

7. Build solid geo map of actual profit by state and find if there are any losses.

8. Build heat map of actual profit by market & product and find no. of losses.

9. Create continuous monthly area chart of marketing. Show lables for min & max values.

10. Create histogram of Inventory and divide it by Market size. Check if there are any outliers

11. Build heat map of inventory by state & product and find the highest +ve and -ve value combination.

**Use Global Super-Store Data Set**

Bar Chart

1. Quantity by Sub-category highlighted by Profit (Bar chart)

Question - Using Quantity as color, find out how many sub-categories have quantity more than 10000?

1. Sales by Region highlighted by Profit (Bar chart)
2. Quantity by Region highlighted by Profit (Bar chart)

Question - Using Quantity as color, find out how many regions have quantity less than 10000?

Side by Side Bar Chart

1. Profit by Category & Segment (Side-by-side)

Question - Compare profit of Corporate for Furniture vs Technology and find which value is better.

1. Sales by Segment & Order Priority (Side-by-side)

Question - Compare sales of Critical order priority in Corporate vs Home office and find the difference between them.

1. Profit by Order Priority & Ship Mode (Side-by-side)

Question - what is the difference between profit of High and Medium order priority in Second class?

1. Shipping cost by Ship Mode & Category (Side-by-side)

Question - Find out highest shipping cost for Technology category in First class as well as Second class. What is the difference between them?

100% Stacked Bar Chart

1. Sales % by Region & Category (Stacked bar)

2. Profit % by Region & Ship Mode (Stacked bar)

Heat Map & Tree Map

Profit by Market & Segment

Profit & Sales by Category & Segment

Profit & Sales by Market & Order Priority

Side by Side circle Chart

1. Shipping cost by order Priority & Segment

Geo map:

1. Sales & Profit by country (Symbol map)
2. Quantity & Sales by country (symbol map)
3. Shipping Cost by country (Symbol map)
4. Country wise Sales
5. Countries having sales > 500k (Solid map)
6. Find the countries having sales > 500k
7. Countries having losses more than -50k (Solid map)
8. Countries having quantity < 5 (Solid map)

Story building exercise

Open Tableau public and connect to Global superstore data. You have to limit the data only for country US.

Create story about US by creating following charts -

1. create solid map of sales by state.

2. Create bar chart of profit by state.

3. Create tree map of shipping cost by state and group it by Region.

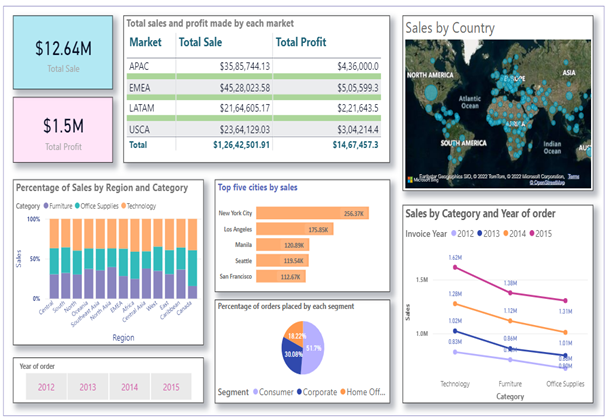
4. Create continuous monthly line chart using profit ratio.

5. Create bubble chart of top 10 states by no. of orders.

6. Create box & whisker chart of states by no. of products.

Once these charts are ready, create a story with name "US Data Analysis" and add these charts in this story.

1. Create tree map of Marketing using Product and filter it using Market size.
2. Create continuous month line chart of inventory and divide it product type. Then add market as filter.
3. Create solid geo map of state & total expenses. Show total expenses labels for min & max. Then filter it by Product.
4. Build scatter plot of sales vs profit and find line equation with R square. Then build scatter of cogs vs profit and find line equation with R square. Category)

**Create following dashboards (use Global Super store Data set)**