**Assignments**

**(Write Your Answers in Annotation)**

**Text Table And Heighlight Table**

1. Build text table of profit using Market, Region and Category in rows. Put Order Priority in Columns. Add totals, sub-totals and highlighters (category, order priority)
2. Build text table of quantity using Market, Region and Order Priority in rows. Put Segment in Columns. Add totals, sub-totals and highlighters (region, segment)
3. Quantity by Sub-category & Segment (Text table)
   1. Which sub-categories have highest & lowest quantity in segment - Corporate?
4. Shipping Cost by Sub-category & Ship Mode (Text table)

In which sub-categories can you find highest & lowest shipping cost in First Class?

1. Profit by Region & Segment (Text table)
2. Are there any losses? If yes where?
3. Are there any profit above 10000? How many?
4. What is higest & lowest profit among all values?
5. Quantity by Region & Category (Text table)
6. What is higest & lowest Quantity among all values?
7. Which region has higest Quantity for Furniture vs region with highest Quantity for Technology?
8. Discount by Region & Order Priority (Text table)

Which region has lowest discount in each order priority?

1. Profit by Category & Sub-category (Text table)
2. Quantity by Category & Sub-category (Text table)
3. Shipping Cost by Category & Sub-category (Text table)
4. **Find out highest & lowest for Office supplies in each report.**
5. Quantity by Sub-category (Highlight table)
6. Shipping cost by Sub-category (Highlight table)
7. Quantity by Region (Highlight table)
8. Shipping cost by Region (Highlight table)
9. Sales by Region (Highlight table)
10. Profit by Sub-category & Segment (Highlight table)
11. Profit by Sub-category & Ship Mode (Highlight table)
12. Profit by Sub-category & Order Priority (Highlight table)
13. Profit by Region & Segment (Highlight table)
14. Profit by Region & Ship Mode (Highlight table)
15. Profit by Region & Order Priority (Highlight table)
16. **How to use colors to solve business problems?**
17. Sales by Sub-category & Order Priority

(Find out no. of records having sales above 500k)

1. Sales by Sub-category & Ship Mode

(Find out no. of records having sales above 400k)

1. Sales by Sub-category & Segment

(Find out no. of records having sales above 350k)

1. Shipping cost by Region & Segment

(Find no. of records having shipping cost less than 4000)

1. Shipping cost by Region & Category

(Find no. of records having shipping cost less than 25000)

1. Quantity by Region & Order Priority

(Find no. of records having quantity less than 500)

**Totals & Sub Totals**

1. Profit % by Category, sub-category and Ship mode

2. Profit % by Category, sub-category and Order Priority

3. Profit % by Market, Region and Category

4. Profit % by Market, Region and Segment

**Percentages**

1. Profit % by Category, sub-category and Ship mode

2. Profit % by Category, sub-category and Order Priority

3. Profit % by Market, Region and Category

4. Profit % by Market, Region and Segment

**Pie Chart**

1. Profit % by Category & Ship Mode

2. Profit % by Segment & Order Priority

3. Quantity % by Segment & Category

4. Shipping cost % by Market & Order Priority

5. Shipping Cost % by Ship Mode & Category

Question - What is the difference between % shipping cost for Same day shipping mode in Furniture & Office supplies?

**Word Cloud**

Profit by region

Question -Which region has lowest Profit

Sales by Market

Question -Find out which Market has higher sale

**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)