



### PLACEMENTDOST

#### Note:

Please be advised that these assessment inquiries are designed to accommodate interns with diverse skill levels, ranging from novices to seasoned analysts. Should you encounter any challenging questions, you are encouraged to seek solutions independently or reach out to us for assistance at [intern@placementdost.com](mailto:intern@placementdost.com). Best wishes for success in completing the assessment!

#### Tools needed :- Tableau, MS SQL

#### Dataset – Alibaba dataset

Creating a big data assignment set specifically for Tableau involves tasks related to data visualization, exploration, and analysis. Tableau is primarily used for visualizing and interpreting data, and it doesn't directly handle big data processing. However, you can still create meaningful assignments by focusing on Tableau's capabilities in handling large datasets. Here are 20 questions for a Tableau assignment using the given shopping website dataset:

1. Load the shopping website dataset into Tableau and create a bar chart displaying the distribution of products in each Category.
2. Explore the geographical distribution of shipping cities using a Tableau map visualization.
3. Build a treemap to represent the hierarchical structure of Category\_Grouped, Category, and Sub\_category.
4. Create a line chart to show the trend of Sale\_Flag over time.
5. Analyze the correlation between Quantity and Item\_Price using a scatter plot in Tableau.
6. Design a dashboard that displays the top 10 Brands based on sales revenue (Value\_CM2).
7. Utilize Tableau's grouping and set features to categorize products based on their Class and visualize the distribution.
8. Develop a stacked bar chart to show the composition of Value\_CM1 and Value\_CM2 for each Product\_Gender.
9. Use Tableau's highlight action to investigate the impact of special pricing on sales for different Brands.

10. Employ Tableau's clustering feature to segment products into different classes based on their Cost\_Price and Item\_Price.
11. Create a combined axis chart to compare the trends of Special\_Price\_effective and Paid\_pr\_effective over time.
12. Build a word cloud to visualize the most common Payment\_Method used by customers.
13. Use Tableau's filtering options to allow users to dynamically explore the dataset by selecting different Shipping\_cities.
14. Design a heat map to show the correlation matrix between Quantity, Item\_Price, and Coupon\_Percentage.
15. Employ Tableau's forecasting feature to predict the future trend of Quantity based on historical data.
16. Develop a radar chart to compare the performance of different Brands across multiple metrics.
17. Explore the distribution of product sizes using a packed bubble chart in Tableau.
18. Use Tableau's trend lines to analyze the relationship between Size and Item\_Price.
19. Create a story in Tableau that narrates the customer journey from viewing products to making a purchase.
20. Design a parameterized dashboard that allows users to customize the analysis by selecting different metrics, dimensions, or time periods.