TASK SHEET - ZOMATO

1. What is the distribution of restaurant ratings by color (e.g., "Excellent", "Very Good", etc.)?
2. Are there any discernible patterns in the geographic distribution of highly-rated restaurants?
3. How does the presence of online delivery affect the aggregate rating of restaurants?
4. Are there any noticeable differences in average cost for two between restaurants with and without table booking?
5. Can we identify any clusters of restaurants based on their latitude and longitude coordinates?
6. Is there a relationship between the locality of a restaurant and its average cost for two?
7. How does the average cost for two vary across different price ranges?
8. Are there any seasonal trends in the number of votes received by restaurants?
9. What is the distribution of votes among restaurants with different aggregate ratings?
10. Are there any cuisines that tend to receive higher aggregate ratings on average?
11. How does the availability of table booking vary across different price ranges?
12. Can we visualize the density of restaurants in different cities using a heatmap?
13. Are there any outliers in the longitude and latitude coordinates that might indicate data entry errors?
14. How does the average cost for two vary between restaurants with and without online delivery?
15. Is there a relationship between the price range and the presence of online delivery or table booking?

For data visualization:

1. Create a bar chart to compare the distribution of restaurant ratings by color.
2. Plot a scatter plot to visualize the relationship between the aggregate rating and the number of votes received.
3. Use a heatmap to visualize the density of restaurants in different cities.
4. Create a bubble chart to explore the relationship between the average cost for two and the number of votes received.
5. Plot a line chart to visualize the seasonal trends in the number of votes received by restaurants.
6. Use a box plot to compare the distribution of average cost for two between restaurants with and without online delivery or table booking.
7. Create a choropleth map to visualize the average cost for two across different regions or countries.
8. Plot a line chart to explore the trend in the availability of table booking and online delivery over time.
9. Use a scatter plot matrix to visualize the relationships between multiple numerical variables simultaneously.
10. Create a violin plot to compare the distribution of average cost for two between different cuisines.