



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. Best wishes for success in completing the assessment!

Tools needed :- PowerBi, MS Excel

1. Data Loading and Initial Exploration:

- Load the employee survey dataset into Power BI Desktop.
- Verify data types and address any issues related to data loading.

2. Data Cleaning and Transformation:

- Handle any missing values in the dataset.
- Perform necessary data transformations, such as renaming columns for better clarity.

3. Data Modeling and Relationships:

- Develop a star schema by establishing relationships between 'Response ID,' 'Department,' and 'Role' tables.
- Incorporate a Date table for potential time-based analysis.

4. DAX Measures:

- Create DAX measures to calculate key metrics, such as average survey response by department and role.
- Implement a measure to count incomplete responses.

5. Role Distribution Analysis:

- Visualize the distribution of roles (Director, Manager, Supervisor, Staff) across different departments using pie charts and tables.

6. Department-wise Survey Analysis:

- Develop bar charts and summary tables to analyze the average survey response for each department.

7. Trend Analysis:

- Utilize the Date table to create time-based visuals, such as line charts, to showcase trends in survey responses.

8. Comparative Analysis:

- Develop visuals to compare the average survey responses across different roles within each department

9. KPI Definition:

- Identify two key performance indicators (KPIs) related to employee survey responses.
- Clearly define the thresholds for these KPIs based on the survey response values.

10. KPI Implementation:

- Develop and implement KPI cards on the dashboard to monitor the defined KPIs.
- Include trend analysis and conditional formatting for KPIs.

11. Dashboard Development:

- Combine various visuals into a cohesive and interactive dashboard.
- Implement slicers, filters, and dynamic features for user interaction.

12. Enhanced Visualizations:

- Explore advanced visuals (e.g., custom visuals or AppSource visuals) to enhance the dashboard's visual appeal and analytical capabilities.

13. Drill-Down Analysis:

- Implement drill-through functionality for users to explore detailed survey responses at a more granular level.

14. What-If Analysis:

- Identify a relevant scenario for a what-if analysis related to KPIs (e.g., "What if the threshold for a positive response changes?").
- Create and demonstrate the impact using what-if parameters and measures.

15. Final Review and Enhancement:

- Conduct a final review of the Power BI solution, ensuring it meets the requirements and provides actionable insights.
- Implement any additional enhancements or refinements.