

Project: 2

Problem Statement-1

Objective- Data Transformations

Use Case -Design a dashboard to analyze the trend of admissions into state universities.

Source -USA StateUniversity Admissions

Analytics - Use Query Editor to perform data modeling by apply transformations like

- 1. Append Data
- 2. Split Data
- 3. Column Formatting
- 4. Fill Columns
- 5. Transpose Table
- 6. Pivot / Un Pivot
- 7. Merge Join
- 8. Conditional Columns
- 9. Index Columns
- 10. Summary Tables

Problem Statement-2

Objective- Advanced Visualizations.

Use Case -Design a dashboard to analyze the trend of admissions into state universities.

Source - USA StateUniversity Admissions

Analytics - Use expressions and filters to build custom visualizations

Dashboard - Applications Analysis

- 1. Total Applications vs. Target Trend by State
- 2. Total Application by State Geo Dashboard
- 3. Tabular presentation of universities and funds
- 4. % of Applications by Race

Power BI Certification Course



Dashboard - Universities Analysis

- 5. Top 10 Universities by Applications
- 6. Top 10 Universities by Applications with and without Special Grants
- 7. Bottom 10 Universities by Applications
- 8. % of Applications Vs Universities Fund Allocations

Problem Statement- 3

Use Case -Top Down and Bottoms Up Analysis to identify Shipping Costs Leakages **Source** -Superstore sales

Analytics-Build a set of visualizations to identify underlying outliers and flip same set of visualizations to perform bottom up analysis.

Top Down Analysis

- 1. Shipping Costs by Order Priority Bar Chart
- 2. Shipping Costs by Shipping Mode Funnel Chart
- 3. Shipping Costs by Customers Scatter Plot
- 4. Transactional view of underlying data

Bottom Up Analysis

- 1. Duplicate above dashboard and change interactions
- 2. Replace Transactional View Donut and Scatter Plot with Tree map