

DS 5110 Final Project Data Visualization Plan

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Members: Mia Khan, Onn Ye Young

Data Visualizations:

- Procedures
 - Most Popular Procedure - Bar graph (x-axis: procedure, y-axis: patient count)
 - Average Procedure Cost - Bar graph (x-axis: procedure, y-axis: average procedure cost)
 - Average Age per procedure - Bar graph (x-axis: procedure, y-axis: average age)
- Demographics
 - Income - pie chart
 - Occupation - pie chart
 - Marriage Status - pie chart
 - Age - Histogram (x-axis: age bins, y-axis: patient count)
 - Average Income by occupation - Box plots (x-axis: occupation, y-axis: average income)
- Correlation
 - Correlation matrix of entire data - heat map
 - Job impact on procedure type requested - occupational hazard ?

Calculation:

- Calculation of financial aid granted

Dashboard:

- Allow users to filter data accordingly