Power BI Report Page 1: Intro + Visualizations

Health Insurance in the United States

Navigation Menu: Age, Race, Ethnicity, Sex, Industry, Class of Worker

Brief Introduction to Capstone Project,
Specify Audience: Insured Population of the U.S.

Heat Map of Percent of Insured People
by U.S. State
(Percent of Survey Respondents)

Power BI Report Page 2: Visualizations

Demographics
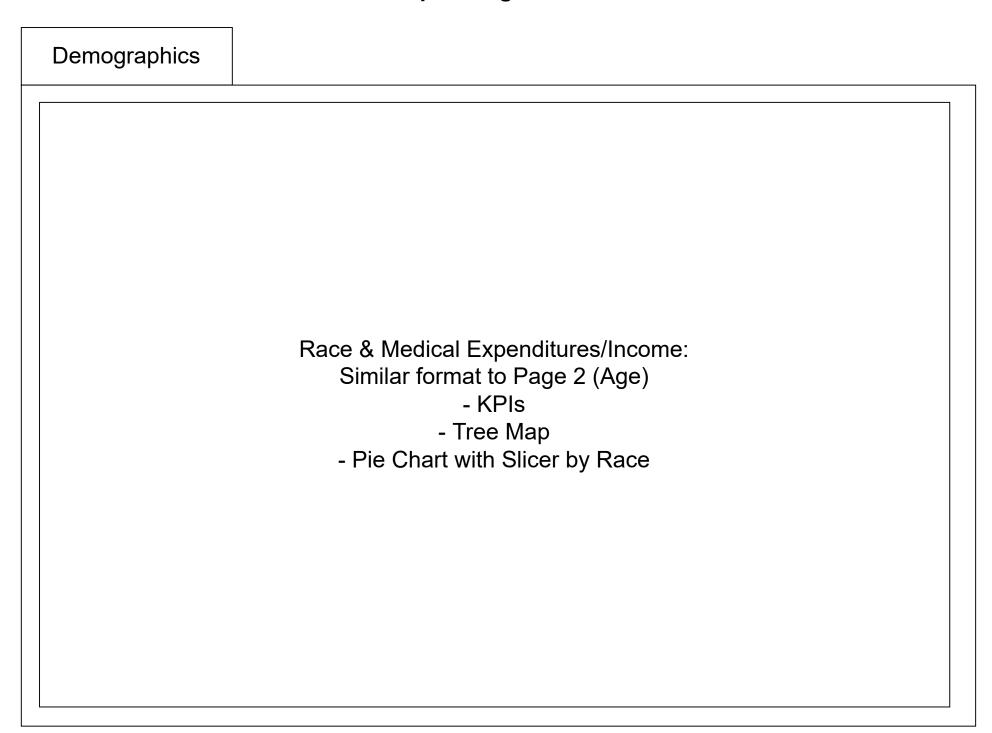
Button: Back to Main

Age & Med Exp/Income

KPI: avg OOP Age Bucket 1

KPI: avg OOP Age Bucket 2

KPI: avg OOP Age Bucket 3

Horizontal Bar Graph of
Average Annual Out of Pocket Expenses
by Age Bucket

Pie Chart of
Average Annual Out of
Pocket Expenses
as a Percentage of
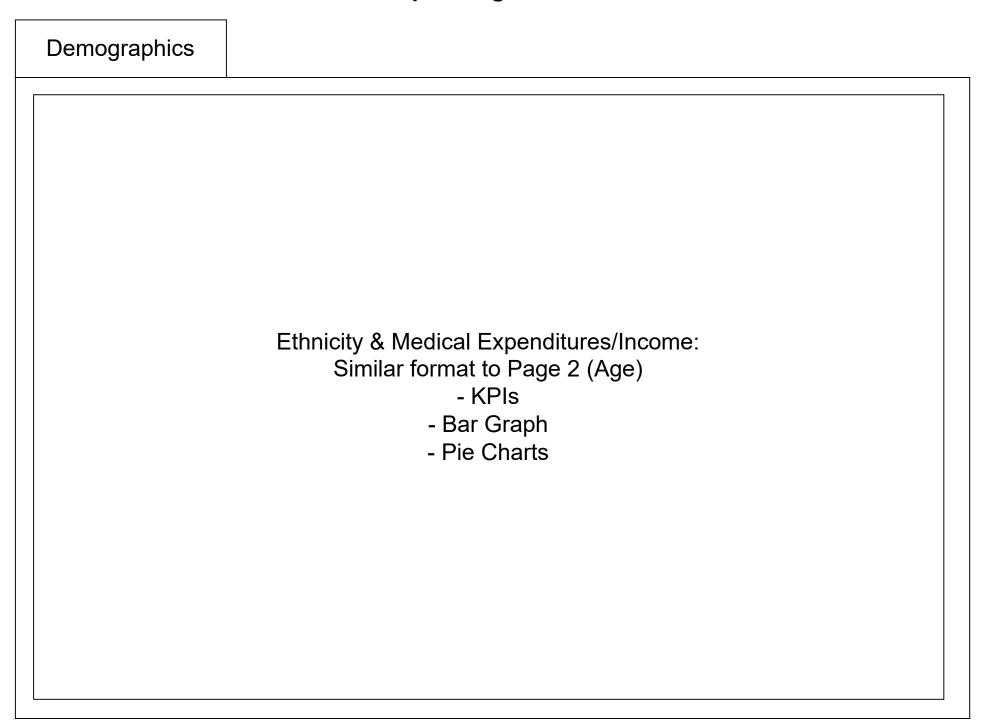Adjusted Gross Income
Age Bucket 1

Pie Chart of
Average Annual Out of
Pocket Expenses
as a Percentage of
Adjusted Gross Income
Age Bucket 2

Pie Chart of
Average Annual Out of
Pocket Expenses
as a Percentage of
Adjusted Gross Income
Age Bucket 3

Power BI Report Page 3: Visualizations

Demographics

Race & Medical Expenditures/Income:
Similar format to Page 2 (Age)
- KPIs
- Tree Map
- Pie Chart with Slicer by Race

Power BI Report Page 4: Visualizations

Demographics

Ethnicity & Medical Expenditures/Income:
Similar format to Page 2 (Age)
- KPIs
- Bar Graph
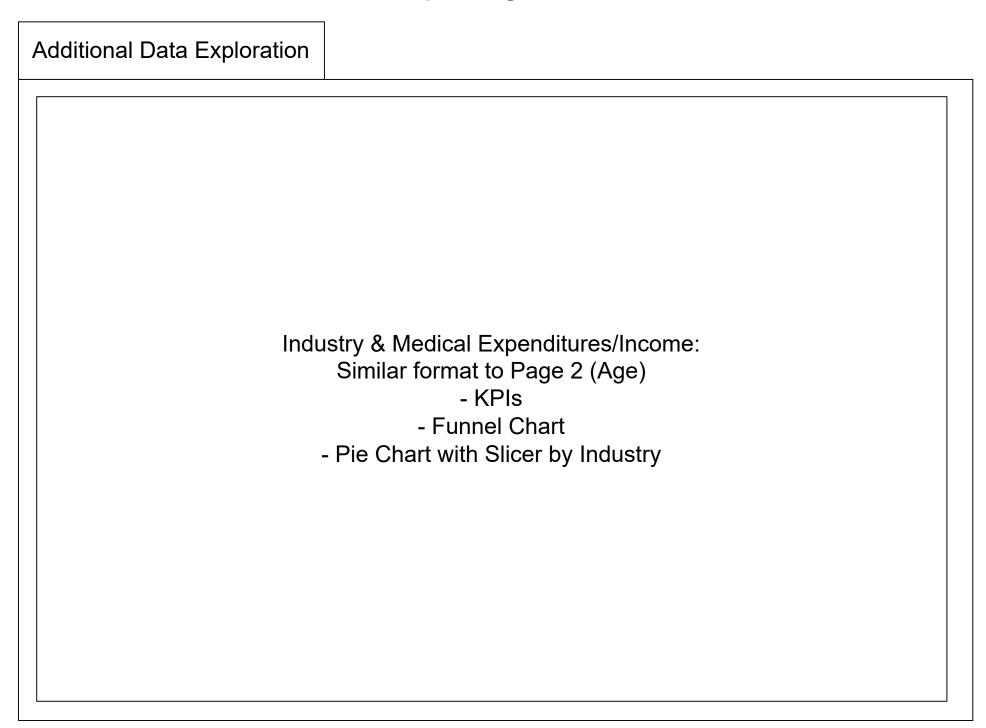- Pie Charts

Power BI Report Page 5: Visualizations

Demographics

Sex & Medical Expenditures/Income:
Similar format to Page 2 (Age)
- KPIs
- Bar Graph
- Pie Charts

Power BI Report Page 6: Visualizations

Additional Data Exploration

Industry & Medical Expenditures/Income:
Similar format to Page 2 (Age)
- KPIs
- Funnel Chart
- Pie Chart with Slicer by Industry

Power BI Report Page 7: Visualizations

Additional Data Exploration

Private/Public/Self-Employed & Medical Expenditures/Income:
Similar format to Page 2 (Age)
- KPIs
- Bar Graph
- Pie Charts

Power BI Report Page 8: ML

Machine Learning

Brief Introduction
to Each Type of ML Model
and How We Tied Them
Together; Explain Why
Clustering Makes Sense for
Our Project

ML Model:
Clustering

ML Model:
OOP/Premium Prediction

Power BI Report Page 9: Conclusion

Conclusion

ML Model Implications, Value of Project

Capstone Project Conclusion

Data Sources