Associations of Healthcare Costs and Early Detection with Colorectal Cancer Mortality in the USA

Yulin Yuan, Ruohan Sun, Tony Lee

Introduction

Study Objective

Clearly define the research questions or objectives.

Dataset Overview

Describe:

- Where the data comes from
- What each variable represents
- How the data was collected (if known)

Motivation

Why is this question or data important/interesting?

Analysis

Exploratory Data Analysis (EDA)

Data Visualizations

Summary Correlations

Interpretation of Findings

Pattern, trends, suggested operations

Model Choice and Reasoning

Linear Regression

explain why choose this model based on EDA and Data description

Data Transformations

Model Selection

Statistical Analysis

Results Interpretation

inference results

Conclusion

Main Findings

Interpreting result in real-world context, careful about causality

Limitations

- Discuss possible sources of bias, limitations in data, model assumptions
- Suggest improvements or next steps

Potential Further research

Mention anything interesting you found that doesn't fit elsewhere

Appendix

- Full regression output

- Extra plots or tables not essential to the main body

- Model selection steps