Cover Page, Dedications, Certification of original work - DONE

Abstract

* One concise paragraph on one page
* Key words??

Table of Contents

Introduction

* Overview of U.S. Health Care
* Emergency Department Wait Times and Length of Stay
* Research Questions
* Variables of Interest

Literature Review

* Yeah.

Methods

* Data sources: Medicare wait times + EDV, number of beds, rating, HSAF, ACS 2018 data, rural zip code list, Medicaid expansion - DONE
* Software used: R (cite) - DONE
* Treatment of missing data, missing data rates, statements about under/over-representation
* Re-state response variables (more technical definitions)
* Description of model selection process (Gamma vs Gaussian vs Poisson) based on shape of histogram, whether data are integer counts, and whether zero is included.
* Describe decision to have successively more complex models (Models 1, 2, 3, 4)

Results

* EDA: Summaries and histograms of all variables
* Plots of response variables by covariates
* AIC tables of comparable models, with justification for why certain distributions are inappropriate (e.g. Gamma and Inverse Gaussian not appropriate for measures containing zeroes)
* Describe process of building models, then removing outliers, then running models again
* Describe Model Diagnostics performed prior to declaring models “final”
* GLM / Beta Regression Final Models: summaries and tables
* Coefficient interpretation, by response variable

Discussion

* Overview of results, description of covariate relationship with response across all response variables.
* Cultural context
* Need for race-specific investments
* Limitations of my study
* Recommendations for future studies

Conclusion

* One long paragraph, very technical

References - DONE