

# Homework Exercise #1

Name

2024-12-07

## Instructions

For this assignment, you will perform multiple regression analyses using the variable **total expenditures (totexp08)**, regressed on **age (as of the end of the year)**, **female**, **Census region**, **family income as a percent of the poverty line**, and **years of education** when first entered MEPS.

Data Preparation:

- Sample: Include only adults aged 18 and older.
- Treat years of education as a continuous variable.

**Important:** For this homework, we are not going to take survey structure into account.

Please ensure that your analyses and results are clearly presented, well-documented, and logically justified. If you have any questions or need clarification on any part of the assignment, feel free to reach out for assistance.

## Q1: Descriptive Statistics

- a) How many observations do you have with non-missing values for total expenditures?
- b) Identify which variable(s) have missing observations and specify how many observations are missing for each variable.