

Mid-Term Assessment

Multiple Regression with Population Data

Using a population data set, choose a continuous dependent variable, one primary independent variable and two control variables. Write a research question that relates the primary independent variable to your dependent variable. Conduct a bivariate and a multiple regression. In a written analysis (1,500 to 2,000 words), begin with a theoretical discussion of your research question, an explanation of your data and how you operationalized your variables. Be sure to include a table with means/proportions and standard deviations for each variable and discuss any relevant or surprising patterns. Next, discuss your bivariate regression; followed by a discussion of your multiple regression and why adding your control variables are theoretical important. Report the magnitude and direction of each coefficient and their interpretations. Conclude by summarizing your findings and suggesting future research directions.

Rubric

Category	Excellent [2.7-3]	Good [2.4-2.7]	Satisfactory [2.1-2.4]	Poor [1.8-2.1]	Unsuitable [0-1.8]	Points
Research Question	Question is clearly stated and connects variables	Question is clearly stated but does not connect variables	Question is implied but not clearly stated	A research topic is presented but it is not a question	No research topic or question are presented	/3
Regression	Regressions are correct, relevant results presented, and missing data is addressed	Regressions are correct, results presented but missing data is not addressed	Regressions are correct but results are not clearly presented	One of the regressions is incorrectly run	All of the regressions are incorrect	/3
Analytical Conclusion	Results are interpreted correctly, research question answered and future research proposed	Results are interpreted correctly, research question answered but no future research proposed	Results are interpreted correctly but research question is not answered	Few of the results are interpreted incorrectly	Nearly all results are interpreted incorrectly	/3
Writing Clarity	Prose is easy to read with few grammar or spelling mistakes	Incorrect grammar and spelling reduce clarity	Sentence structure, word choice and grammar mistakes make reading difficult	Points are unclear due to sentence structure and/or other mistakes	Incomplete sentences and excessive grammar and spelling mistakes	/3
Format	All formatting guidelines in syllabus are followed	Citations are correct but a minor formatting guidelines not followed	A handful of formatting and citation mistakes	Insufficient citation information and/or multiple formatting mistakes	No citation information and/or no formatting guidelines followed	/3
Total						/15