

1 MAE4053 final exam

MAE4053 Survey Methodology - final exam autumn 2023

General Requirements:

- Word Count: Between 2000 and 2500 words, not including the bibliography and appendices.
- APA Guidelines: Consistent adherence to APA style for formatting, citations, and references is mandatory.

Proposal Submission: A proposal must be submitted and approved before you can proceed with the final paper. This proposal will be reviewed, and feedback will be provided to aid in the refinement of your final submission.

Research Question and Purpose of Study: Your paper must begin with a clearly defined research question and purpose of the study. A short background section should accompany these to set the stage for your analysis and/or study design.

Option 1: Analysis using ILSA data

- Objective: Perform an analysis using International Large-Scale Assessment (ILSA) data.
- Methods Section: Outline how the dataset was chosen, the variables under scrutiny, and the statistical techniques employed.
- Results Section: Present your findings lucidly and coherently.

Option 2: Conduct and complete a missing data analysis on a dataset of your choosing.

- Methods Section: Describe the data that you will treat and the character of the missing data, why it is of concern, and the statistical methods you will apply to handle it. This is not merely a planning stage but should provide a step-by-step description of your actual analytical process.
- Results Section: Detail the outcome of your missing data analysis. Include tables, charts, or other graphical representations to elucidate your findings. Discuss how completing the missing data influenced the results and provide interpretations in light of your research question and purpose.

Option 3: Design a survey and sampling design

- Objective: Design a survey and an associated sampling design to investigate a particular research question or problem.
- Paper: Include the rationale for your survey and sampling design choices, linking them to your research question. You should be sure to define the target population, whether the survey will be used to make population inferences (requiring a representative sample), and how you will collect data.
- Appendix: The survey or assessment instrument should be attached as an appendix to your paper.

For all 3 options: To reiterate, the act of formulating a cogent research question and purpose serves not just as an academic formality but as a lens through which your entire analysis will be focused. This intellectual framing informs the methodology, enlivens the results, and ultimately

influences how the academic community will engage with your contributions. It serves as an essential step in linking your study with broader academic debates and policy priorities.



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