

Project Guidelines:

Follow the guidelines that appear in Chapter 1 of your textbook in the **Data Analysis Process** section.

Problem Statement

Begin with something like: “I propose to study” Be precise, making it clear just what problem you plan to address. Include a brief statement about the significance of the study.

Choice of data

Tell what data you plan to gather and how it relates to the problem. Be precise.

Explanation of what and how data are collected

Tell why your choice of data collection is sufficient or explain what data you would collect if there were no time or accessibility limits. Tell what, if any, bias could occur and how you will deal with that. Tell what, if any, extraneous variables may affect your results and how you will deal with that.

Data summary and informal analysis

Provide some tables or graphs or whatever summary is appropriate for your data. Explain what obvious inferences you may draw.

Formal data analysis

Apply statistical analysis methods we have studied to your data and present the formal analysis. For example, you may have a special distribution, such as normal or binomial, and you will explain how you came to this conclusion.

Interpretation of results

Tell what you can (or cannot) conclude as a result of your study.

Note: You will earn extra points by doing something new in your study. For example, you might use material from a chapter or section we did not take time to cover.