**Abstract**

The writer succinctly and clearly captures and communicates:

* The question (variable and population) being explored
* Methods used to collect data
* Methods used to analyze data
* The major findings or results

**Introduction**

* Variable and population:
	+ Variable and population are clearly defined in context and with units
	+ Population chosen is the best choice for the variable studied.
	+ Population is justified with connection to variable or question studied.
* Interest:
	+ Clearly and convincingly describes the motivation for choosing the topic of study
	+ Uses persuasive writing techniques effectively to hook the interest of the reader

**Methods**

* Sampling methods:
	+ Sampling method is clearly identified using mathematical language and described fully
	+ Sampling method is the best choice to study the variable in the given population
	+ Sampling method is justified with thoughtful explanation of minimizing bias
* Data collection methods:
	+ Data collection method is clearly described in full detail
	+ Data collection method is the best choice to minimize bias in measuring the variable
	+ Data collection method is justified with thoughtful reference to sources of bias

**Results**

* Tools of analysis:
	+ It is clear which summary statistics and graphs you will use in your results
	+ Choice of summaries statistics and graphs is the best choice to represent your data and make conclusions
	+ Choice of summary statistics and graphs is justified and references the purpose of each for the particular population and question
* Graphical displays
	+ Data are displayed using neat and accurate graphical displays
	+ Graphical displays clearly communicate the most important patterns in the data
* Summary statistics
	+ Data are summarized with accurate numerical displays
	+ Summary statistics clearly communicate the most important patterns in the data
* Verbal descriptions
	+ Data are analyzed using appropriate and convincing mathematical language
	+ Verbal descriptions clearly communicate the most important patterns in the data
* Organization
	+ Visual, numerical, and verbal descriptions are woven together to form a clear and coherent picture of the results

**Discussion**

* Thoughtfully reflects on multiple potential sources of bias in sampling method
* Thoughtfully reflects on multiple potential sources of bias in data collection
* Clearly reflects on the extent to which results can be generalized to the population, drawing insightful conclusions

**Acknowledgements**

* Group process is clearly and completely described with details about each individual’s contribution.
* Any additional resources are clearly acknowledged including how they helped contribute to your study

**Appendices**

The raw data included is:

* Complete
* Clearly labeled
* Well-organized