**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