Introduction

This is a synopsis of the analysis that will be performed. The Introduction's objective is to bring the reader in the picture and contextualize the research/experiment. The following elements might be used in the introduction:

- A quick summary of earlier research (relevant literature) to provide context - summarize key information from scientific literature, mentioning references to back up each remark.
- If there is one, provide the hypothesis (an notion or concept that may be evaluated by testing).
- A description of the various approaches and their applications.
- A declaration of your goal(s) - what you want to achieve.

This section should include your background research, research questions, hypothesis statements, and data description.

Data Exploration

This section explains your observations of the data the lead to your research question. Here, you can show figures, diagrams, tables, and other visualization techniques.

Methods

This section should include the processes you took on performing your statistical method. You can show your R code if you choose.

Results and Discussions

This section should include the results of your statistical analysis and discuss them in context of your research question. You can still include figures and tables here.

Conclusions

This is a summary of your argument or experiment/research, and it should be related to the introduction. The Conclusion should just be a few words long and should restate the results of your experiment/research. Suggestions about how to enhance the technique and what additional tests or study might be beneficial are welcome.

References

You can use APA style citations. [Delvin et. al. 2014] or [Pyrczak et. al. 2016]

1. Delvin, E., Pillay, T. S., & Newman, A. (2014). How to write a scientific paper: practical guidelines. EJIFCC, 25(3), 259.
2. Pyrczak, F. (2016). Writing empirical research reports: A basic guide for students of the social and behavioral sciences. Routledge.