Template paper and judging criteria

Your paper should consist of no more than 3 pages of concisely written single-spaced text (tables and graphs are included in the 3 page limit; however the references and an (optional) appendix are not). Furthermore, the title and abstract should be on a separate page (with no other information listed). You should use Arial, 11 pt font, single spaced with standard 1 inch margins. Each section (or subsection) should receive a heading.

While there are no specific structural limitations to the paper, one possible structure is suggested below.

1. Title (on title page)
2. Abstract (on title page)
3. Background and Significance (part of 3 pages)
4. Methods (part of 3 pages)
5. Results (part of 3 pages)
6. Discussion/Conclusions (part of 3 pages)
7. References (not included in the 3 page limit)

1. Title

Give an informative title to your project.

*Assessment: Does the title give an accurate preview of what the paper is about? Is it informative, specific and precise?*

2. Abstract

The abstract provides a brief summary of the entire paper (background, methods, results and conclusions). The suggested length is no more than 150 words. This allows you approximately 1 sentence (and likely no more than two sentences) summarizing each of the following sections. Typically, abstracts are the last thing you write.

*Assessment: Are the main points of the paper described clearly and succinctly?*

3. Background and significance

In this section you are providing the background of the research area and arguing why it is interesting and significant. This section relies heavily on literature review (prior research done in this area and facts that argue why the research is important). This whole section should provide the necessary background leading up to a presentation (in the last few sentences of this section) of the research hypotheses that you will be testing in your study. Well-accepted facts and/or referenced statements should serve as the majority of content of this section. Typically, the background and significance section starts very broad and moves towards the specific area/hypotheses you are testing.

*Assessment:
- Does the background and significance have a logical organization? Does it move from the general to the specific?
- Has sufficient background been provided to understand the paper? How does this work relate to other work in the scientific literature?
- Has a reasonable explanation been given for why the research was done? Why is the work important? Why is it relevant?
- Does this section end with statements about the hypothesis/goals of the paper?

3. Methods

a. Data collection. Explain how the data was collected/experiment was conducted. Additionally, you should provide information on the individuals who participated to assess representativeness. Non-response rates and other relevant data collection details should be mentioned here if they are an issue. However, you should not discuss the impact of these issues here---save that for the limitations section.

b. Variable creation. Detail the variables in your analysis and how they are defined (if necessary). For example, if you created a combined (frequency times quantity) drinking variable you should describe how. If you are talking about gender no further explanation is really needed.

c. Analytic Methods. Explain the statistical procedures that will be used to analyze your data. E.g. Boxplots are used to illustrate differences in GPA across gender and class standing. Correlations are used to assess the impacts of gender and class standing on GPA.

Assessment: Could the study be repeated based on the information given here? Is the material organized into logical categories (like the one’s above)?

4. Results

Typically, results sections start with descriptive statistics, e.g. what percent of the sample is male/female, what is the mean GPA overall, in the different groups, etc. Figures can be nice to illustrate these differences! However, information presented must be relevant in helping to answer the research question(s) of interest. Typically, inferential (i.e. hypothesis tests) statistics come next. Tables can often be helpful for results from multiple regression. Do not give computer output here! This should look like a peer-reviewed journal article results section. Tables and figures should be labeled, embedded in the text, and referenced appropriately. The results section typically makes for fairly dry reading. It does not explain the impact of findings, it merely highlights and reports statistical information.

Assessment:
- Is the content appropriate for a results section? Is there a clear description of the results?
- Are the results/data analyzed well? Given the data in each figure/table is the interpretation accurate and logical? Is the analysis of the data thorough (anything ignored?)
- Are the figures/tables appropriate for the data being discussed? Are the figure legends and titles clear and concise?

5. Discussion/Conclusions

Restate your objective and draw connections between your analyses and objective. In other words, how did (or didn’t) you answer/address your objective. Place these all in
the larger scope of previous research on your topic (i.e. what you found from the literature review), that is, how do your findings help the field move forward? Talk about the limitations of your findings and possible areas for future research to better investigate your research question. End with a concluding sentence or two that summarizes your key findings and impact on the field.

Assessment:
- Does the author clearly state whether the results answer the question (support or disprove the hypothesis)?
- Were specific data cited from the results to support each interpretation? Does the author clearly articulate the basis for supporting or rejecting each hypothesis?
- Does the author adequately relate the results of the current work to previous research?

6. References

Assessment: Are the references appropriate and of adequate quality? Are the references cited properly (both in the text and at the end of the paper)?

Writing quality

Judges will also be evaluating the following areas with regards to writing quality:

1- Is the paper well-organized? (Paragraphs organized in a logical manner)
2- Is each paragraph well-written? (Clear topic sentence, single major point)
3- Is the paper generally well-written? (Good use of language, sentence structure)
4- Are tables/figures labeled correctly and referenced accordingly
5- Does the entire paper flow and answer the research question(s) sufficiently? Is there extraneous information presented?

Overall areas being evaluated

Each project will be judged by at least five judges. Some general criteria that the judges may use include:

1. Description of the data source
2. Accuracy of data analysis
3. Accuracy of conclusions and discussion
4. Overall clarity and presentation
5. Originality and significance of the study