



Author Pre-submission Checklist

The purpose of this checklist aligns with the journal's mission of functioning as an educational tool for young researchers entering the early stages of the research publication process. These criteria below are not only the metrics our editors utilize in assessing the quality of a research article, but they also serve as an opportunity for authors to assess their work before submitting it to the Journal of Young Investigators. This form must be printed and signed before being uploaded in the portal with your manuscript under supplementary materials.

Manuscript Title: _____

Author(s): _____

Advisor (if applicable): _____

Ethical Issues Regarding Animal and Human Subjects

- There were no animal subjects in this study.
- The animal subjects in this study were cared for appropriately, following the Guiding Principles in the Care and Use of Laboratory Animals.
- There were no human subjects in this study.
- The human subjects in this research were treated in accordance with the Declaration of Helsinki.
- This manuscript, its figures, and its data, appear to be the property of the author. The author has given credit when discussing the ideas of others.

Title

- Concise and indicative of manuscript content.



Abstract

- States why the research was done.
- States how the research was done.
- States major results.
- Follows "Problem - Purpose of Study - Method - Results - Conclusions" structure.
- Succinct, clear, balanced, focused, and appropriate content.
- Length is under 250 words.

Introduction

- Enough information to provide background for the results and interpretation presented later in the paper.
- Clear progression from broad to narrow information.
- Problem is clearly stated.
- Research/review is motivated.
- Significance of research/review is stated.
- Scholarly citations used.

Main Body of Article (for Review Articles Only)

- Well-structured and organized.
- Critical analysis and synthesis of information (not simply stating findings).
- Adequate literature reviewed.
- Must suggest future directions for research in the field and/or provide a new theoretical orientation for research reviewed.

Methods and Materials

- Enough detail to reproduce experiment(s).
- Groups information under appropriate subheadings (e.g. participants, techniques or measures, materials).
- Experiments are appropriate and properly designed (e.g. controlled).
- Adequate and appropriate statistical tests.

- Does not contain material more appropriately reported in the Introduction or Results section.

Results

- Sufficient and appropriate detail.
- Narrative should explain the statistical results in a clear, logical order.
- Statistical tests were performed when appropriate.
- Data are plausible (e.g. I found 100 people like candy is a sample of $n = 5$).
- All variables are clearly defined.

Discussion and Conclusions

- Refers to data presented in the Results section.
- Sufficient and logical interpretation of results.
- Does not overstate or understate the significance of the results (e.g. over generalizing results on patients with a unique disease to the entire population)
- Adequate discussion of sources of error and/or limitations of the study.
- Conclusions suggest what implications and applications this research might have.
- The author provides future directions for research.

Figures, Tables, Equations, and Captions

- Items are referenced in order throughout the paper.
- Enhance understanding of the text.
- Properly numbered (e.g. Figure 1, Figure 2, Table 1, Table 2, etc.)
- Titles are listed in order of appearance in a separate word document.
- Figures and tables must not misrepresent the data (i.e. axes are scaled logically).
- No unnecessary figures/pictures/equations/etc.

References

- Adequate and appropriate use of references (i.e. articles from professional journals in related fields, not popular science magazines or introductory textbooks).
- Follows APA 6th Edition (including in-text citations and references).
- All sources in references must be cited in-text and vice versa.

Writing and Style Checklist

- Language is grammatically correct and acceptable (e.g. subject-verb agreement, spelling, run-on sentences).
- Writing is concise and direct (to the point) and avoids colloquialisms.
- The sections are arranged appropriately, and there is a logical progression of ideas.
- No repetition. No repetition. No repetition. No repetition. Focus!
- Must use scientific voice; no first-person.

Novel Contribution to the Field

- Does not simply restate old findings.
- At least some aspect is new to the field (e.g. techniques, theories)
- Interesting for an undergraduate audience.

*I (primary author), _____,
affirm that this manuscript meets all the criteria listed above.*

Name: _____ **Signature:** _____