Methodology: Experiment

	Exemplary 4	Proficient 3	Marginal 2	Unacceptable 1
Dimension #1 **Paper Structure**	The paper contains Introduction, Method, Results, Discussion, and Conclusion sections. Introduction clearly states the problem and its importance. Method clearly shows what was done including information on participants, sampling procedure, experimental design, and conditions, & experimental procedure. Results present all major findings and support them with statistics. Discussion explains the importance of results. Experiment limitations are addressed. Future directions mentioned. The conclusion elaborately concludes the paper.	The paper contains Introduction, Method, Results, Discussion, and Conclusion sections. Sections are explained to a **proficient** level of performance but have minor ambiguities.	The paper doesn't contain one required section. Sections are explained to a **marginal** level of performance.	The paper doesn't contain more than one required section Sections are explained to an **unacceptable** level of performance.
Dimension #2 **Topic Scope**	The paper is focused on a clear research question of a reasonable size.	The paper studies **several** research questions (of reasonable sizes) without a focus.	The paper studies **many** research questions (of reasonable sizes) without a focus.	The problems under study are **too big and complicated**.

| Dimension #3

Magnitude | Research effect reported is impactful and can have real-world implications (realism of situation).

Research contributes significantly to the research literature. | Research effect reported is *somewhat* impactful and can have somewhat real-world implications (realism of situation).

Research contributes significantly to the research literature. | Research effect reported is *somewhat* impactful and can have somewhat real-world implications (realism of situation).

Research contributes *somewhat* to the research literature. | Research effect reported is *not impactful* and does not have real-world implications (realism of situation).

Research contributes little or *does not* contribute to the research literature. |
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| Dimension #4

Articulation | The paper as a whole is reported in a detailed manner that enhances understanding of the research.

All conclusions are supported by clear chains of evidence with proper reference.

There are clear, strong, and comprehensive comparisons with other works. | *Some* parts of the paper are not easily comprehensible but *do not affect* readers' understanding of the whole paper.

All points are supported by clear chains of evidence *without* proper reference.

There are *some* comparisons with other works. | *Some* parts of the paper are not easily comprehensible and *affect* readers' understanding of the whole paper.

All points are supported by evidence *without* explicit reference.

There are *limited* comparisons with other works. | Readers *can not understand* the paper as a whole.

All conclusions are *not supported* by any evidence.

There is *no* comparison with other works. |
| Dimension #5

Generality | The paper's research method and results can be generalized well to *all* or most aspects outside of the specific study (other situations). | The paper's research method and results can be generalized to *some* aspects outside of the specific study (other situations). | The paper's research method and results can be generalized to *a few* aspects outside of the specific study (other situations). | The paper's research method and results *cannot* be generalized to aspects outside of the specific study. |
| Dimension #6

Interestingness | The paper shows its importance in *at least two* of three dimensions of interestingness: theoretical, practical, and novelty.

For the theoretical dimension, the paper does | The paper shows its importance in *at least two* of three dimensions of interestingness: theoretical, practical, and novelty.

For the theoretical dimension, the paper does a | The paper shows its importance in *one* of three dimensions of interestingness: theoretical, practical, and novelty.

For the theoretical dimension, the paper does a | The paper shows its importance in *none* of three dimensions of interestingness: theoretical, practical, and novelty. |

	an **excellent** job at challenging current theory or refining current theory to make it more complete. For the practical dimension, the paper does an **excellent** job at helping solve issues of everyday life. The system being reported has great utility. For the novelty dimension, the work is novel and valid.	**good** job at challenging current theory or refining current theory to make it more complete. For the practical dimension, the paper does a **good** job at helping solve issues of everyday life. The system being reported has great utility. For the novelty dimension, the work is novel and valid.	**good** job at challenging current theory or refining current theory to make it more complete. For the practical dimension, the paper does a **good** job at helping solve issues of everyday life. The system being reported has great utility. For the novelty dimension, the work is novel and valid.	
Dimension #7 **Credibility**	The paper considers **all** possible errors to mitigate risks to get accurate results. It deals with extraneous factors (e.g., randomizing, blocking, statistically adjusting, etc.) Measurements of the behaviors under study are precise. There are valid statistical analyses. Research is built upon previous work with relevant references. The paper explores alternative interpretations of results.	The paper considers the **most** possible errors to mitigate risks to get accurate results. It deals with extraneous factors (e.g., randomizing, blocking, statistically adjusting, etc.) Measurements of the behaviors under study are **somewhat** precise. There are valid statistical analyses. Research is built upon previous work with relevant references. The paper **somewhat** explores alternative interpretations of results.	The paper considers **some** possible errors to mitigate risks to get accurate results. It **somewhat** deals with extraneous factors (e.g., randomizing, blocking, statistically adjusting, etc.) Measurements of the behaviors under study are **somewhat** precise. There are **some** valid statistical analyses done. Research is **somewhat** built upon previous work with relevant references. The paper **somewhat** explores alternative interpretations of results.	The paper **doesn't consider** possible errors to mitigate risks to get accurate results. It **doesn't** deal with extraneous factors (e.g., randomizing, blocking, statistically adjusting, etc.) Measurements of the behaviors under study **aren't** precise. There **isn't** a valid statistical analysis. Research is **slightly or isn't** built upon previous work. The paper **doesn't** explore alternative interpretations of results.
Dimension #8 **Ethics**	The experiment treats participants **with respect**. There are ways to make	**At least one** of those three requirements **can be inferred** from the paper.	There are **no explicit details** in the paper regarding this dimension and **can not be inferred**.	The experiment treats participants **with no respect**, making them feel **uncomfortable**.

	participants feel **comfortable**. The experimenters help participants **understand** the experimental situation. All points **can be inferred** from the paper.			Participants **do not understand** the experimental situation.