

Peer Review Guideline for Modeling Projects

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Welcome to the peer review process for the modeling projects. The purpose of this peer review is to provide constructive feedback on the preliminary reports produced by each group, with the aim of enhancing the quality and robustness of their analysis.

The cylinder is an *alibi* to train competences in using DOE to model a technological device.

As reviewers, your role is crucial in critically evaluating the methodology, data sources, assumptions, and findings presented in the preliminary reports. By offering thoughtful insights and recommendations, you can help your peers refine their analyses, strengthen their arguments, and ultimately contribute to a more comprehensive understanding of the use of classical designs for this type of task. But for your own training it is also important. By seeing how another group has answered to the questions of the project, you will have the possibility to question and improved your own work.

We encourage reviewers to approach this process with openness, objectivity, and a spirit of collaboration. Constructive feedback, grounded in a thorough examination of the projects, will facilitate meaningful improvements and foster a culture of excellence.

1 Instructions for Reviewers

1.1 Familiarize Yourself with the Project

- Carefully read through the preliminary report provided by the assigned group.
- Take note of the interpretation of the given objectives, methodology, data sources, assumptions, and key findings presented in the report.

1.2 Evaluate the Clarity and Organization

- Assess the clarity of the report's structure, including the introduction, methodology, results, and conclusions.
- Evaluate the coherence of the arguments presented and the logical flow of information.

1.3 Assess the Methodology

- Review the chosen methodology for modeling the device.
- Evaluate the appropriateness of the selected techniques and parameters for the given objectives.

1.4 Examine the Data and Assumptions

- Scrutinize the sources and quality of the data used in the analysis.
- Evaluate the reasonableness and validity of the assumptions made in the project.

1.5 Analyze the Results

- Critically examine the results obtained as a model.

- Assess the robustness of the conclusions drawn based on the presented work.

1.6 Provide Constructive Feedback

- Offer specific feedback on strengths and weaknesses identified in the project.
- Suggest potential improvements or areas for further investigation.
- Ensure feedback is respectful, objective, and focused on enhancing the quality of the project.

1.7 Conclusion

Summarize the main points of your review and reiterate the importance of constructive feedback in refining the sensitivity analysis projects.

1.8 Submission of Feedback

Submit your feedback through Moodle within the specified time frame, in a short pdf document. **The task is due for November 7 (2025) at midnight.**