

NE 155

Analysis Final Project Rubric

The final paper should be ~6-7 pages with 1.5 spacing per team member. This may vary based on the specific project; please use your best judgment. Please include these items as clearly labeled sections in the final report:

1. **Introduction:** What are you trying to accomplish and why? Also preview what you are going to talk about.
2. **Problem Description:** Describe the problem you are solving in this work and explain how it will help you find out the thing you told us about in the introduction.
3. **Description of Work:** What did you do to perform your analysis? This can include any models you built, data you collected, strategies you needed for evaluation, etc.
4. **Results:** What did you find out?
5. **Conclusions:** What do your findings mean? How does that relate to the goal you laid out in the introduction?
6. **References:** You must have references that you cite in your paper (including the interim report).

In your mid-project report, please replace “Conclusions” with **Plans for Completion** and keep in mind that “Results” will be preliminary or possibly empty. The first three sections don’t have to be completely polished, but they should at least be very solid drafts. I will provide feedback, so the better they are when I read them the more useful the feedback will be. This should be a maximum of 4, 6, or 8 pages of 1.5 spacing for 1, 2, or 3 people, respectively.

Please include these same items in your final presentation. The presentations should be approximately 8, 12, or 15 minutes for 1, 2, or 3 people, respectively. This may vary based on the specific project; please use your best judgment.

Notes for writing papers properly:

- If you include figures, use a Figure number and caption; refer to the figure from within the text as Fig. # or Figure #.
- You may need to number equations and refer to them in the text.
- *Use section headings for the requested sections.*
- In the introduction, discuss what is coming up in the paper.
- In the conclusions, discuss what you told us in the paper.
- If you talk about a code (that you didn’t write yourself), you need to include a reference for that code.

- For the final report, it's a good idea to include enough information for the work to be reproducible. To avoid making the report filled with mundane details you can put some items in an appendix or repository that you reference.
- Common grammar errors: that vs. which, use vs. utilize, due to vs. because of.

I will use the following rubric for evaluating the paper:

Category	Possible Points	Earned Points
Work implemented correctly	15	
Goal, problem solved, and analysis conducted have an appropriate logical flow	12	
Conclusions are supported by the results	10	
Complete sentences; correct grammar and spelling	8	
Sources properly documented	5	
Total	50	

This rubric is for evaluating the presentation:

Category	Possible Points	Earned Points
Topic motivation is clear	3	
Explanation of work is understandable, correct, and supports the motivation	7	
Results and conclusions are clearly communicated	6	
Good presentation skills: eye contact, volume, clarity of slides, etc.	6	
Appropriate presentation length	3	
Total	25	