

Team Presentations (due 12/3)

Organization, ≤ 10 slides, ≤ 10 min with Q & A

1. Overview Slide – 1 slide

2. Introduction & Rationale – 1-2 slides

- Briefly describe the dataset and biological challenge / problem
- What is already known in literature about the biological problem you're solving?
- What are your model inputs and output (prediction)?
- Why is this prediction helpful for biomedicine?

3. Methodology & its Justification – 3 slides

- How did you split test/training data?
- How did you normalize or weigh your data? How did you decide on input variables and their format?
- What predictive algorithm(s) did you use and why?
- How did you score the accuracy of your model(s)?

4. Results – 3 slides of figures and tables (at least 4)

5. Discussion & Conclusions – 1 slide

Team Reports (due 12/11)

Organization, 5 pages + references + appendix

1. Abstract (½ page summary)

2. Introduction & Rationale – 1 page

- Briefly describe the dataset and biological challenge / problem
- What is already known in literature about the biological problem you're solving?
- What are your model inputs and output (prediction)?
- Why is this prediction helpful for biomedicine?

3. Methodology & its Justification – 1.5 pages

- How did you split test/training data?
- How did you normalize or weigh your data? How did you decide on input variables and their format?
- What predictive algorithm(s) did you use and why?
- How did you score the accuracy of your model(s)?

4. Results – 3-5 impact figures or tables, 1 page

5. Discussion & Conclusions – 1 page

References – unlimited pages

Appendix – unlimited pages, all code (PDF or .py files)

Team Project Presentations & Report

Scoring Criteria

1. **Organization** – 20 pt
2. **Clarity** – 20 pt
3. **Methodology & its Justification** – 20 pt
4. **Conclusions** – 20 pt
5. **Creativity** – 20 pt

Peer weighting scales grade