Final Project Presentation

Student(s): _____

Content

1 – Several required pieces are missing.
2 – One of the required pieces is totally missing or multiple pieces lack sufficient detail.
3 – One of the required pieces is not fully fleshed out.
4 – Includes overview of topic/goal (including challenges, problems solved, etc.), demonstration of some analysis of the approach, and ties back to class topics.

Comments

Clarity

1 – Major issues with the presentation. The content is extremely difficult to follow.
2 – Large parts of presentation require considerable effort to understand.
3 – Small parts of the presentation require effort on the audience to understand.
4 – All pieces of the presentation are clear and easy to understand.

Comments

Score: _____/8

Content: Your presentation should include the following components:

- A clear overview of your project topic/goal. It is impossible to go into all the details in such a short presentation, so you will need to be strategic in your choice of what to present.
- **If you choose a project from Option 1**, your presentation should include the following specifics:
  - What algorithmic approach are you investigating?
  - What are the high-level important pieces about how it works? (You will not have time to go into all the details.)
  - What types of problems is it useful for solving?
  - How does it fit into what we have been talking about in this class?
  - Some demonstration of your analysis of this algorithmic approach. This could take many forms. A few examples are: (1) A plot that shows how the runtime changes with more data, or how accuracy is affected by a particular parameter; (2) Some overview of results found by running the approach on a particular dataset; (3) Comparison of this approach to others we have learned about. Etc.
- **If you choose a project from Option 2**, your presentation should include the following specifics:
  - What biological application or question are you investigating?
  - What computational approaches are used to investigate this application or question? You should describe at least one of these approaches at a high level that gives the main idea of how the approach works. Why are computational approaches necessary for solving this problem?
  - What are the main challenges (biological or computational) to solving this problem or answering this question?
  - How does it fit into what we have been talking about in this class?
  - You should present some results of computational approaches applied to your question or application (you do not have to have implemented or run the computational approach yourself).