

Special topic presentation guidelines
AI | Fall 2024 | Rasika Bhalerao
Northeastern University Khoury College of Computer Sciences

During class on November 18, 20, and 25, in groups of 3 or 4, students will give presentations on special topics of their choice.

This course is a very brief introduction to a large number of topics in Artificial Intelligence. We cannot possibly cover every topic. For this presentation, students may choose any topic related to AI which is not already covered by the course.

Example topics:

- Generative adversarial networks
- Monte Carlo tree search
- NLP topics
 - Part-of-speech tagging
 - Coreference resolution
 - Speech recognition
 - Chatbots
- A demo of Tensorflow or Keras
- A deeper explanation of a supervised learning algorithm other than neural networks
- An application of AI to your topic of interest (e.g., finance, healthcare, Chess)

Rubric:

- 25: Motivate the need for this AI method
- 25: Explanation of the AI method
- 20: Conclusion
 - Direction of modern research, or inspiration for how this method could be used, etc
- 10: Use some sort of visual aid
 - Maybe slides, but could be writing on the whiteboard with markers, or a document, etc
- 5: Cite sources
- 10: Answer at least one audience question
 - It is allowed to plan with a partner so you each ask each other one question you have prepared.
- 5: Presentation is between 10-15 minutes