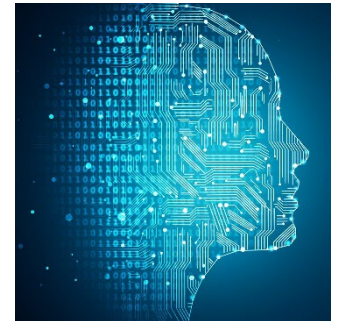


Principles of Machine Learning Project



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STAT 6910-001



Description



- Groups of 2-3 students
- Each group must select a real problem and data
- Apply at least 4 ML methods to the problem
 - 1-3 methods from those covered in class
 - At least one method not covered in class
 - See Canvas Project page for suggested ideas
- Report your results
 - Progress Report (mid-to-late November)
 - Final Report (around end of Finals)

Groups



- Groups of 2-3 students
- Sign up in a google doc available on Canvas
- Sign up by October 8
- Can use Piazza to find groups/members

Proposal



1 page proposal due October 18 with:

1. The goal

- Attempt to solve some problem using machine learning

2. What kind of data?

- Venture beyond MNIST and UCI repository
- Kaggle could be a good source

3. What kinds of methods will you use?

4. Planned contributions of each member

- Ideally, each member will spend some time applying at least one method each

Proposal



- You are encouraged, but not required, to meet with me to discuss project ideas

General comments



- You do not need to have a publishable result
- I'm mainly looking to see if you can identify a problem and data and attempt to solve it using ML methods
 - Are you implementing the methods correctly?
 - Do the chosen methods make sense for your problem?
- I'm also looking for clear communication