RESEARCH & PRESENTATION

FINAL PROJECT

OVERVIEW

- You may work individually or with another student
- Select a machine learning topic that interests you
 - Find high quality references to support your research topic (journal/conference papers, textbooks, lectures, podcasts etc)
 - Write & run your code to solve a specific problem related to your topic

DELIVERABLES

- Proposal
- Presentation
- Final report
- See course agenda for due dates

- Proposal
 - Your name and your partner's name (if any)
 - Title of the research project
 - One paragraph describing what you are planning to do
 - Submit one proposal/group

- Presentation (last week of the quarter)
 - Submit one slide set/group (PPT or PDF) by TBD
 - Maximum 5 slides
 - 7 minutes maximum including Q & A (subject to change)
 - Sign up sheet (stay tuned)
 - Deadline: TBD otherwise you cannot present
 - Put your name on the shaded area
 - Everyone must be <u>present</u> for all presentations

- Final report (due date: TBD)
 - Free format but must contain: abstract, research content (theory & experiments), conclusion, references
 - Appendix: your code
 - Minimum 1500 words
 - Submit one report/group
 - Grading will be based on the quality of the report & on-time submission
 - Unicheck will be used for plagiarism check

PREVIOUS RESEARCH PROJECTS

- Pneumonia predictions
- Energy predictions
- Emoji recognition
- Sales forecasting
- Reinforcement learning
- Twitter sentiment analysis
- Image predictions
- Star classification

- Malware detection
- Human face detection
- Fake news detection
- Image classification
- Skin cancer diagnostic
- Real-time machine learning
- Google play store data analysis
- Gasoline price prediction