

CSc 59929

Introduction to Machine Learning

Project

Project

- **Pick a dataset that interests you and is amenable to machine learning.**
- **Apply **multiple** machine learning methods to it; they can be methods that we have studied, but don't have to be.**
- **Analyze your results using multiple metrics and methods.**
- **Compare the methods you have used in terms of quality of the results and performance of the methods.**

Deliverables

- **A presentation to the class**
 - **Note that the presentations will be given before the written reports and code are due.**
- **Written report describing your work**
 - **a single report for your team**
- **Your code as a .ipynb file**
 - **a single submission for your team**

Teams

- **You can work individually or in groups of two or three.**
- **If you work as a two-person team I will be expecting twice as much as I will from an individual.**
- **If you work as a three-person team I will be expecting three times as much as I will from an individual.**

Presentations to the class

- **Individual project**
 - **5 minute presentation**
 - **1 minute for discussion**
- **Two-person project**
 - **10 minute presentation (5 minutes each)**
 - **2 minutes for discussion**
- **Three-person project**
 - **15 minute presentation (5 minutes each)**
 - **3 minutes for discussion**
- **Note that the presentation will be scheduled before the written reports and code are due.**

Deadlines

- **11/07 – Submission of groups**
- **11/09 – Submission of proposed topics**
- **12/05 – Presentations to the class**
- **12/12 – Presentations (if we don't finish on 12/05)**
- **12/19 – Written report describing your work**
 - **Your code as a .ipynb file**