

# What could be included for your mid-term presentation

- Reminder: midterm project proposal on **11/10**
  - Each team has 5 minutes
- If you want to apply ML on certain topic, the presentation may include (but not limit to)
  - Introduction
    - Background knowledge
    - The motivation of your project
    - The overall vision/goal of your project
  - Dataset
    - What is your target dataset
    - How to collect the dataset
  - Current progress
    - E.g., naïve method(s) as baseline solution(s)
  - A plan/schedule for the following weeks
  - What do you expect to accomplish by the end of the semester
- If you want to develop a new method, you may include
  - Motivation
  - Current ideas

# Quiz

- Why exist two different forms of cross entropy loss?
- How to apply logistic regression on multi-class classification?
- What is ROC curve and its advantages/disadvantages?
- Explain precision and recall
- Why F1 score takes harmonic mean of precision and recall?

# Quiz

- Explain sensitivity and specificity
- Explain multi-class classification vs multi-label classification
- Explain MacroF1, MicroF1, WeightedF1, and SamplesF1 scores

each instance  
can have 0 or multiple  
↑  
classes

\* binary classification problem need much F1  
Score ?