

Introduction to Machine Learning - COS 324

Programming Assignment 3

Due date: 11:59:59pm on 29th Nov. Electronic submissions only.

IMPORTANT:

1. Consulting with other students from this course is allowed. If you do so, clearly state whom you consulted with for each problem separately.
2. Searching the internet or literature for solutions is **prohibited**.

In this assignment, we'll do multiclass classification based on Logistic Regression and Max-margin loss. You can choose one of two modes.

- (Recommended) Jupyter Notebook - Download [multiclass.ipynb](#)
- Python file – Download [multiclass.py](#).

Each file contains instructions on how you must proceed. Here is a useful summary: there are 13 action prompts (2 theoretical, the rest 11 involve coding). Each action prompt is marked with a sequence number and the token **ACT**.

You're required to submit the file (.ipynb or .py+.pdf) to the course dropbox.