CS506 Fall 2025 - Lab5

Gaussian Mixture Models

Instructions:

Step 1: Open github classroom link: https://classroom.github.com/a/gQw_Jp8K. Once you accept the lab assignment Github classroom automatically creates a forked repository for you but if you had to do it manually you can do it via Github UI, which is not needed for this lab.

Step 2: After you accept the assignment, you will see a page with a link to your forked repo.

Step 3: Clone your forked repository using the command: git clone git@github.com:CS506-Boston-University/lab5-YOURUSERNAME.git

Step 4: You will need to finish the exercises in the Jupyter notebook labelled Lab_5.ipynb. You can use Google Colab to run the notebook.

Step 5: Once you have completed all the exercises, you will need to add the updated notebook to your Github repository under the main branch. Also make sure and submit your Github link to Gradescope.

Lab Evaluation Guidelines:

1. Credit will be awarded for each exercise completed. You will see the instructions and points awarded to each exercise in the notebook.
2. You will be awarded 0 if you directly edit/upload any files in GitHub UI. So you **WILL** need to use CLI.

Gradescope

1. Upload the link to your GitHub Classroom repo on Gradescope.
2. Submit under your correct lab section (e.g., Lab5 (A5)).
3. You have until the end of your lab time **+35 minutes grace period** to submit.
4. After the grace period, Gradescope will automatically close.
5. Submissions made within your lab's Gradescope window will receive credit.

Attendance Recording

1. Attendance will be tracked using a QR code. The QR code timestamp will be matched with the GitHub commit time and grade scope.
2. Credit will only be given if both actions occur during your assigned lab session.

AI Policy:

Students are welcome to use AI tools (like ChatGPT or others) as a supplement to their learning, unless explicitly specified not to.