

Machine Learning and Pattern Recognition

Lab 5: Spring Semester 2026

- You need to code in the given jupyter notebook only.
- Follow the instructions given in comments prefixed with **##** and write your code below that.
- Also fill the partial code in given blanks.
- Don't make any changes to the rest part of the codes.
- Answer the questions given at the end of the Jupyter notebook within your report.
- Create a **GitHub repository** for this assignment. Ensure the "**Visibility**" of the repository is set to **public**, must be viewable by anyone.
- Ensure you've completed the code tasks for each section in the Jupyter notebook. Upload your completed **Jupyter Notebook (.ipynb)** with all code, outputs, analysis and answers to Report questions included to your **GitHub repository**.
- Add a **README** file to your Github repository written in **Markdown** with proper documentation summarising the aim, methodology, key findings, and conclusions. Include **images, graphs, or other visualisations** in the README file too to support your findings.
- Submit the **link to your public GitHub repository** as the final submission on the LMS before the due time. Verify that link you submit is visible and accessible (it should not ask for access).