Using ML to classify spam and ham emails | Module 9

Submit Assignment

* **Due** No Due Date

* **Points** 50

* **Submitting** a file upload

**Assignment Name:** Using ML to classify spam and ham emails

**Objective:** To learn feature engineering in ML

**Instructions:**

1) It is mandatory to go through this recorded video before attempting your assignment: **Please refer below Reference Video**

2) Kindly collect data of spam and good email(general) from your inboxes and increase the data set as per the format attached.

3) Use python to extract features from the collected dataset. (Hint: Use Natural Language Processing - Break the sentences into words)

The assignment will be explained and the collected dataset will be used to train the ML during the recorded video. Please attend to carry out hands-on along with the faculty.

Program and Dataset files used by faculty in session:

Program files-

[ML\_NB\_Email+Classifier\_Main+program.ipynb](https://learn.amityfutureacademy.com/courses/3/files/35909/download?wrap=1)

[ML\_NB\_Email+Classifier\_Decode+with+actual+data.ipynb](https://learn.amityfutureacademy.com/courses/3/files/35910/download?wrap=1)

[ML\_NB\_Email+Classifier\_Understanding.ipynb](https://learn.amityfutureacademy.com/courses/3/files/35905/download?wrap=1)

[ML\_NB\_Email+Classifier+Test\_Yourself.ipynb](https://learn.amityfutureacademy.com/courses/3/files/35906/download?wrap=1)

Dataset files-

[emails.csvPreview the document](https://learn.amityfutureacademy.com/courses/3/files/35911/download?wrap=1)

[emails00.csvPreview the document](https://learn.amityfutureacademy.com/courses/3/files/35908/download?wrap=1)

[test11.csv Preview the document](https://learn.amityfutureacademy.com/courses/3/files/35907/download?wrap=1)

**Note:**The recorded video is one of our previous batch hands-on session. We can conduct a similar session for the batch only if the majority of learners aren't able to understand and complete the assignment. Please get in touch with the academics team, if required.