CM20252 & CM50263 Artificial Intelligence

Coursework 3

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Date set: 1 April 2019
Date due: 14 April 2019, 20:00
Total marks: 100 (This coursework will determine 5% of your mark for the unit.)
Where to submit: CM20252 Moodle page
What to submit: Completed Jupyter notebook (.ipynb file)
You will be given a Jupyter notebook to work with. You must follow the instructions on this notebook and submit this particular notebook.
Late submissions: We will follow the university policy on late submissions.
Coursework submitted after the deadline will receive a maximum mark of 40 (out of 100).
Coursework submitted after five working days will receive a mark of zero.
Feedback: Within two weeks of the submission deadline, your Jupyter file will be returned to you (via Moodle), showing the marks you received from each part of the coursework. You can get additional feedback from the unit leader or one of the tutors via appointment.

You are required to work individually.

This coursework will be marked anonymously. Please do not include any identifying information on the files you submit.

Do not plagiarise. Plagiarism is a serious academic offence. For details on what it is and how to avoid it, please visit the following webpage:
http://www.bath.ac.uk/library/help/infoguides/plagiarism.html

What you need to do

You will build a spam filter using the naïve Bayes classifier. You will be given two data sets, one for training your classifier and one for testing your classifier. In the Jupyter notebook, you will find detailed, precise instructions that will guide you in developing your classifier. This part of the coursework is expected to take about four hours but please note that your personal experience may differ from this estimate.