Queen Mary
University of London

ECS629U/P: ARTIFICIAL INTELLIGENCE

2020/21 – Semester 2

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Coursework (worth 50% of total mark)

Spring 2021

DUE DATE: PLEASE REFER TO THE EXACT DATE FROM QMPLUS

NO LATE submission is allowed: submission link will disappear upon deadline!

Instructions: The coursework is detailed in `CW.ipynb` and is composed of **5 Tasks**. Test data for applying your model are provided in `test_data.pkl`. You are expected to submit one file ONLY through the QM+ submission link, a *single compressed folder* containing:

1. A *single* Jupyter Notebook (**IPYNB** file) containing your code for solving the 5 tasks. **We must be able to run your code on Colab**. Failure to do so could be severely penalised. Furthermore, your code should run with no bugs. Your code should be well-documented and sufficiently commented, illustrating which part of the code solves each task.

2. A single **PDF** file that must be **at most 3 pages long**. Any file submitted under the wrong format (e.g. `doc`, `docx`, `odt`, etc.) or exceeding the length limit might be penalised. The PDF can include text and/or figures accompanying your code for solving the tasks. Given that your code will be well-documented, you don't have to necessarily provide explanations for Tasks 1-3 (but you're encouraged to). However, the PDF **must include**: (a) the hyperparameters explored, and the plot of the training loss for Task 4, and (b) the 6 plots showing the results of applying your model on the provided 6 test sequences (`test_data.pkl`) for Task 5.

It is allowed to use codes from online resources. However, this has to be clearly cited with reference in your report. Collaboration is NOT permitted when attempting the answers. There is zero tolerance policy for cases of plagiarism. Please be aware that systems can be busy and slow to respond shortly before deadlines. So you should aim to submit **at least one hour before** the announced deadline.