Coursework Brief COMP3611

Marc de Kamps

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Coursework

The coursework is due on 29/11/2024 unless extensions have been applied for through the Student Information Point. Do not request extensions from the module leader; they must be sent to the School.

The tar file contains a notebook. You are to answer the questions posed in the notebook with running code as evidence for your answers. Please use text cells in Jupyter notebooks to answer questions and explain/justify your code/model design choices. Comments in the code do not count as explanations; answers must be explained in text. Submissions in any form other than Jupyter notebooks will **NOT** be accepted.

Incorrect submissions or corrupted files will receive an automatic mark of 0. We will not notify you of any problems. Please follow the guidance on testing your submission below.

Instructions: Read Carefully and Check Before Submission

1. Your notebook and all files necessary to run should be packed in a single tar file.
2. **Do not compress this tar file.** In particular, do not use proprietary compression software like WinRAR. Do not compress your tar file.
3. We will untar the file in a single directory. All files that the notebook requires should be present in the same directory after we untar. You should check very carefully that no path dependencies are present in your final submission.
4. When we run the notebook, it must run from beginning to end. You will receive 0 marks for any questions or subquestions where the notebook fails. This means that all the datasets must be present in your submission.
5. You should create the tar archive once you have ensured that all files are present and the notebook runs through. The command for this is:

   ```
   tar cvf <student_id>_coursework.tar directory_name
   ```

   where `<student_id>` should be replaced with your student ID. An example of a valid archive name is `sc11ed_coursework.tar`.
6. Submit this tar file through Minerva.

Testing Your Submission

We recommend the following procedure to test your submission:

1. Create a dedicated directory where you place the notebook and all files necessary to run the notebook. Do not create any further directories inside this directory.
2. Type `jupyter notebook` inside the dedicated directory. The notebook should appear in your browser. In the top-level menu inside the notebook, select `Kernel`, then choose `Restart & Run All`. Your notebook should run from beginning to end without generating errors. If there are errors, fix them.

3. Once the notebook runs through, move one directory level up, then use the tar command to create an archive:

```
tar cvf <student_id>_coursework.tar directory_name
```

4. To be thorough, copy the tar file to a completely different directory and untar it. This will create a new directory containing all your files, and you should run the notebook from this new directory. This is a good test to ensure that you've removed all path dependencies.

5. Download your submitted files from Minerva and check if they are not corrupted. If they are, create a new submission.