

# Instructions

## Overview

**Follow the universal workflow of DLWP 4.5 (1st edition) for a dataset of your choice.**

You can use the tensorflow datasets, MNIST, Reuters, IMDB and Boston Housing Price, or an external dataset. Work exclusively in a Jupyter notebook.

Do not begin your report with data visualisation. No marks are allocated for preliminary data exploration. However, you may wish to investigate the dataset in support of your interpretation of results.

**You can only use DLWP Part 1 layers (Chapters 1–4) i.e. restrict your models to tensorflow sequential Dense and Dropout layers.**

Your Jupyter notebook should read as a report – not just a sequence of code cells. Structure your report with markdown headings, subheadings, tables etc.

You can use as much DLWP code and code from the video notebooks as you wish but you must reference all code that is not original: credit will be given for model assembly using third-party code, and extra credit may be awarded for original code.

**Export your Jupyter notebook to html and submit. Do not submit your notebook or any data files. Submit only the html export of your notebook.**

(For Colab users: Colab does not have an html facility. Either:

Download the colab notebook and load into Jupyter; you will then be able to export as html

or

Follow the instructions in [this blog](#) [🔗](#) i.e. download from colab and then reload into colab's session storage. Then run the script

```
%%shelljupyter nbconvert --to html /Your notebook path/file.ipynb
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## Review Criteria

**Credit will be awarded for:**

report structure and quality as a document

adherence to the deep learning workflow

a systematic investigation

interpretation of results.

**Additional credit may be awarded for:**

extensive experimentation

understanding and technique that exceeds the module syllabus