CO416 – Machine Learning for Imaging

Coursework 1

Getting started

You are given a Jupyter notebook that contains descriptions and some skeleton code. You will need to add your implementations at the specified locations directly within the notebook.

Step 1: Clone the coursework Git repository

Open a terminal on any Linux lab machine, and run the following (e.g., in your home directory):
`$ git clone https://gitlab.doc.ic.ac.uk/bglocker/mli-coursework-1`

Step 2: Activate the Python environment

On tcsh shell:
`$ source /vol/lab/course/416/venv/bin/activate.csh`

On bash shell:
`$ source /vol/lab/course/416/venv/bin/activate`

Step 3: Start Jupyter Notebook

The Jupyter Notebook application can then be started by calling
`$ jupyter notebook`

A web browser should open automatically for address http://localhost:8888/tree.

Step 4: Work through the notebook

The notebook for the coursework is **`MLI-CW-1.ipynb`**. Read carefully through the instructions given in the text cells. The notebook should contain all information you need to finish each task. You are asked to finish all tasks which are highlighted in the notebook.

Start early, and ask questions if anything is unclear!

SUBMISSION

You will need to upload an **archive** (`.zip` or `.tar.gz`) with the base name `coursework1` to CATE. The archive should contain **both the notebook .ipynb as well as a .pdf exported version of it**. You can export a PDF version of your notebook from Jupyter via the 'Download as…' menu.

Submission deadline on CATE: Monday, 11 February, 18:59