

# CO416 – Machine Learning for Imaging

## Tutorial 3

Google Colab:

<https://drive.google.com/open?id=1aRToyBibl4m06p8jk0zXCENg53DC3XPQ>

Alternatively, to run the notebook on a local DoC lab machine:

DoC Lab Machines:

### Step 1: Clone the 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-tutorials
```

### Step 2: Activate the Python environment

We provide a [virtualenv](#) Python environment which contains all required dependencies and packages. It's a Python 3 environment which can be activated by running the following command on the terminal.

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>.

### Work through the notebook

This week's notebook is **03-Neural-Nets-and-CNNs.ipynb**

Work through the notebook from top to bottom. The text cells contain useful information, links and hints for solving the different tasks. **Do not hesitate to ask if you get stuck!**