**Lab 1 – Working with Notebooks**

These short series of exercises will help you become familiar with the most common operations you will carry out in a Jupyter notebook session.

**1 – Jupyter Notebooks**

* Create a new notebook
* Rename the notebook
* Change the first cell to markdown and enter some text.
* Change the text style to heading 1, heading 2, heading 3 (proceed each line with #, ## or ###.
* Under the view menu, toggle the Header, Toolbar and Line Numbers.
* Under the Insert menu, insert a cell above the current cell and a cell below the current cell
* Try out the restart options under the kernel menu.
* Have a quick look at the download options available to you under the File menu
* Save your notebook

**2 – Python – Auto Complete**

* Type in the following code into a code cell and execute it.

import pandas as pd

* Find the inbuilt help for DataFrame()
* Type in the following code into a code cell and execute it (including the period)

pd.

* While the cursor is blinking at the period, press the <TAB> button and see the list of functions that can come after the period.

**3 – Python – Help**

* Scroll down to DataFrame and press the <ENTER> button.
* Type in the following into a cell and execute it

pd.DataFrame?

* This will display any inbuilt help on the DataFrame function

**4 – Python – Function Signatures**

* Type in the following into a code cell

pd.read\_excel()

* Place the cursor in-between the open and closed parenthesis.
* Press <SHIFT> + <TAB>
* This will display the function signature