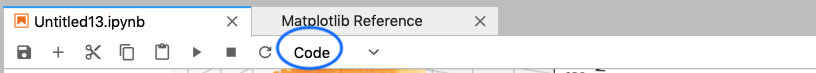
Assignment

Using the python code snippets in this example, put together Python code that applies a cross-validated \(k\)-nearest neighbour model from the house price data, and produces the following:

* A 3-D plot of the house price for average floor area.
* A 3-D plot of the house price for floor areas of 75 square metres.
* A 3-D plot of the house price for floor areas of 125 square meters.

Use each of these in a short (1,000 word) report outlining the technique and describing the results. Use the Jupiter notepad format for this to make the report. To enter text in between the boxes with Python code in them, click on the option saying ‘code’ on the menu on the top of the input section (see below) and change it to Markdown. Then the boxes can be used to enter text rather than code. To go back to code, click on ‘Markdown’ and change it back to code.



This is where to click

Save the file using the method suggested earlier, and email the .ipynb file to christopher.brunsdon@mu.ie. Use **Python ML Assignment** as the email title.

To be completed by **Friday 26th March at 5pm**