- -> notebooks from this lecture: https://github.com/ine-rmotr-curriculum/ds-content-interactive-jupyterlab-tutorial
- -> cells can be Python code or markdown
- -> markdown is harder to format
- -> you can use Jupyter notebooks to create reports
- ***-> these notebooks can be exported as PDFs***
    - -> these can be handed to whoever wanted the data analysis done
- -> you can switch between code and markdown cells
- ***-> every cell has been given an execution number <- there are [squares] by each cell***
    - -> the number in the cell will tell you the amount of times it has been run
    - -> # here means the cell has been moved
    - -> you can do this without using the menu
- ***-> keyboard shortcuts for Jupyter notebooks***
    - -> a <- to add a new cell above the current one
    - -> dd <- to delete the cell
    - -> # then to add comments
    - -> b <- to add a new cell below the current one
- ***-> modes <- markdown and cell***
    - -> we also have vim (vi)
    - -> the behaviour of the work depends on the mode of the cell it's being entered into
    - -> if it's being entered into a code cell, then it will run the equations
        - -> if this was entered into a markdown cell, it would print out the equation in text form
        - -> you can click on the blue line to the side of the cell to turn it from a code to a markdown call
        - -> you can also use the escape key to do this
        - -> we have edit and command mode, and each cell can be code or markdown
        - -> hitting the return key
- -> using Python to interact with the data
- ***-> keyboard shortcuts***
    - -> to navigate <- up and down arrow keys
    - -> there is another drop down to go from mark down to code
    - -> m <- to make it markdown
    - -> y <- to make it Python
    - -> shift enter <- to execute code and to move to the next cell
        - -> you can do this (control return) to run each of the cells one after another
    - -> control Z <- to undo the previous change
    - -> you can run the code by also pressing the play button
    - -> in Jupyter lab, it will tell you the shortcut for something if you search for it first
    - -> x <- to cut
    - -> v <- to paste, you can specify where
- ***-> question***
    - What are the three main types of Jupyter Notebook Cell?
        - Code, Markdown, and Python
        - Code, Markdown, and Raw <- This one -> Python isn't a type of cell, it's the language we populate the code cell with
        - Markdown, Python, and Raw