- -> notebooks from this lecture: https://github.com/ine-rmotr-curriculum/ds-content-interactive-jupyterlab-tutorial
- ***-> the Jupyter environment <- this is what is mostly used with Python***
  - -> it's a free and open source tool
  - -> JupyerLab <- the evolution of the regular Jupyter notebook
  - -> Jupyter notebook vs lab <- lab is a nicer interface
    - -> it looks more like an IDE where you can see the file tree
    - -> Jupyter lab is a more modern version
  - ***-> notebooks AI***
    - -> this provides Jupyter environments without an install
    - -> this is what the course uses
    - -> multiple hints of how to use these notebooks
    - -> it's an interactive, realtime environment to explore the data and do data analysis
    - -> we aren't constantly looking at the data (its in front of us)
- ***-> in Python, we aren't looking at the actual data***
  - -> we have an idea of the shape of the data in our head
  - -> and then we interact with this in the code
  - -> we aren't looking at all of the data -> we are importing it and analysing it
  - -> fully featured Python interpreters
    - -> it's not being accessed from a terminal
- ***-> concepts when working with Jupyter notebooks***
  - -> Jupyter notebooks are combinations of cells
  - -> everything happens within a cell
  - -> markdown and Python cells
  - -> rendering text with html
  - -> there are different levels of titles (e.g # ## ###) <- levels 1, 2 and 3 - all the way down to 6
  - -> markdown is rendered into text by the notebook
- ***-> question***
  - What is not allowed in a Jupyter Notebook's cell?
    - Markdown
    - Python code
    - An Excel sheet <- This one