#### POLITECNICO MILANO 1863

DEPARTMENT OF MECHANICAL ENGINEERING

**Introduction to Visual Studio Code** 

MATTEO BUGATTI





#### INTRODUCTION TO VISUAL STUDIO CODE



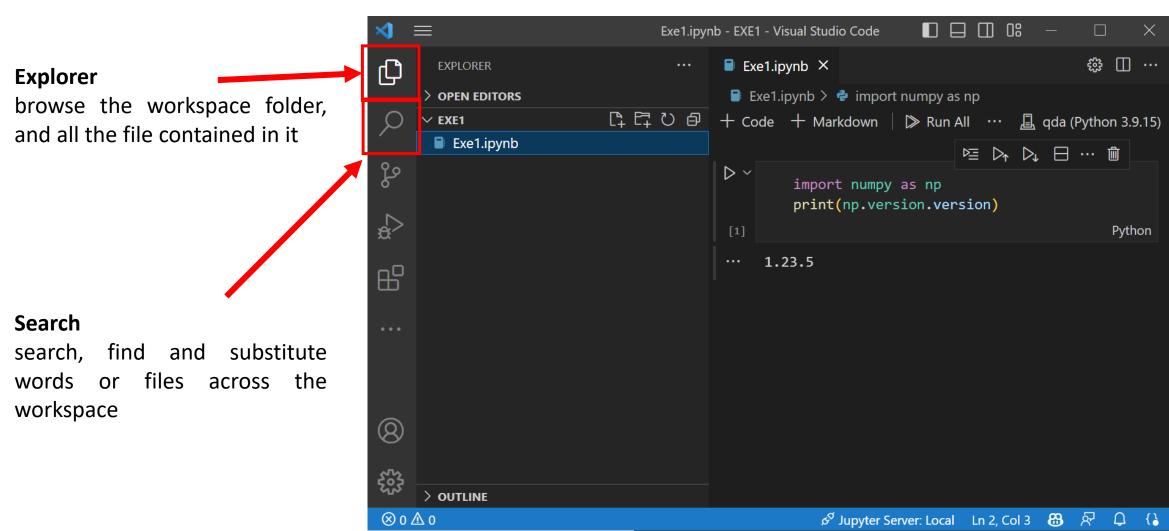
Visual Studio Code is a source-code editor developed by Microsoft. It can be used with a variety of programming languages, including C++, JavaScript and Python.

Visual Studio Code has many features such as built-in debugging, syntax highlighting, auto-completion, code formatting, and Git integration. It is available for Windows, macOS, and Linux.

#### **TUTORIAL LINK:**

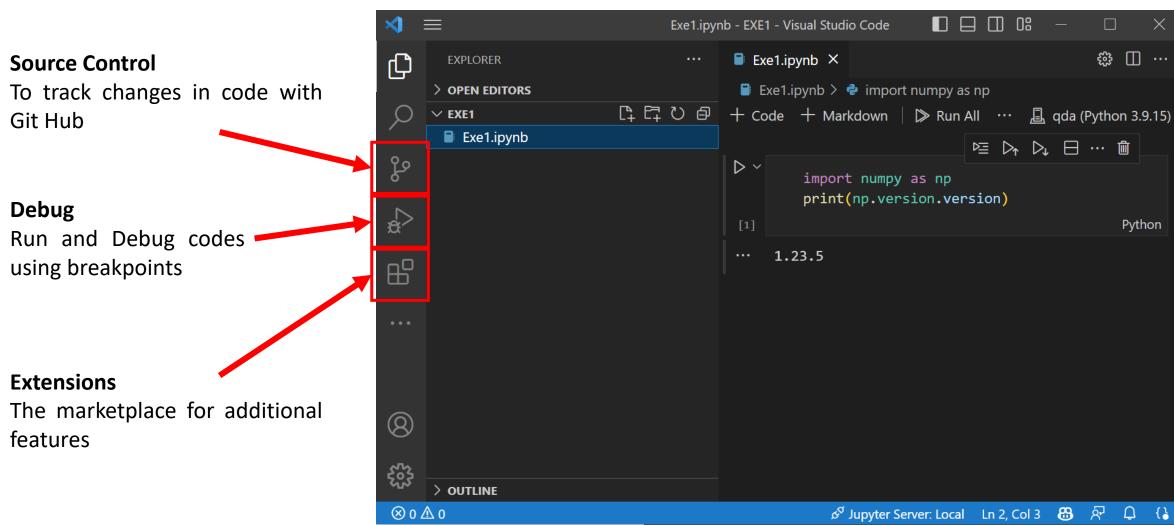
https://code.visualstudio.com/docs/introvideos/basics

# **USER INTERFACE TOUR**



**Quality Data Analysis** 

#### **USER INTERFACE TOUR**



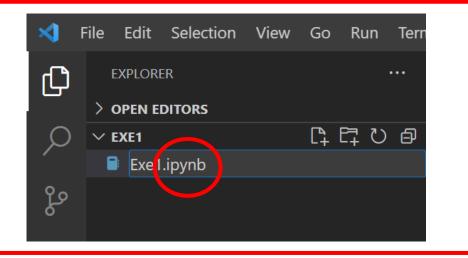
**Quality Data Analysis** 

Jupyter Notebook files (extension ".ipynb") are documents that contain a combination of code, text, and visualizations, all in a single interactive environment.

These files are divided in "cells" of code, that the user can run separately rather than running the entire code simultaneously. It allows users to interact with and explore data in real-time.

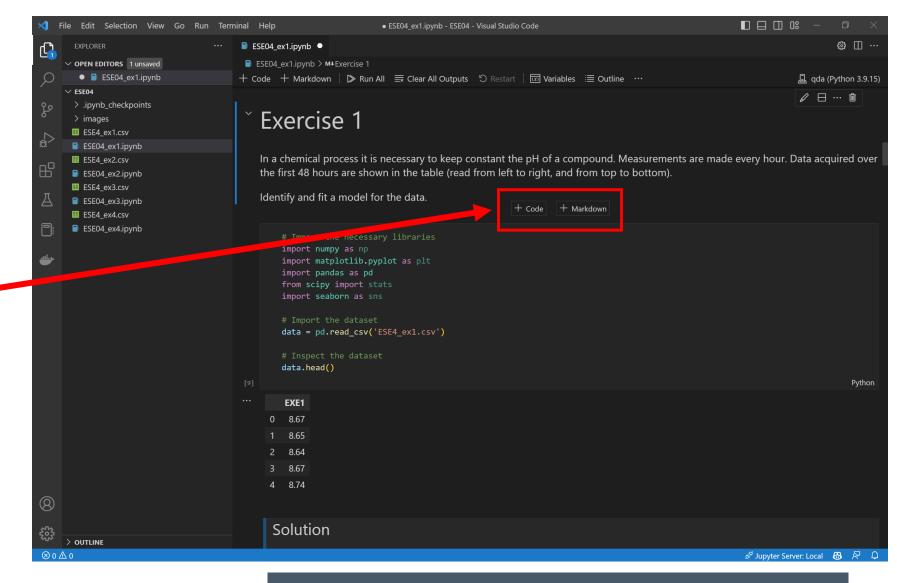
#### **IMPORTANT**

When creating a new file, we must specify the extension .ipynb!



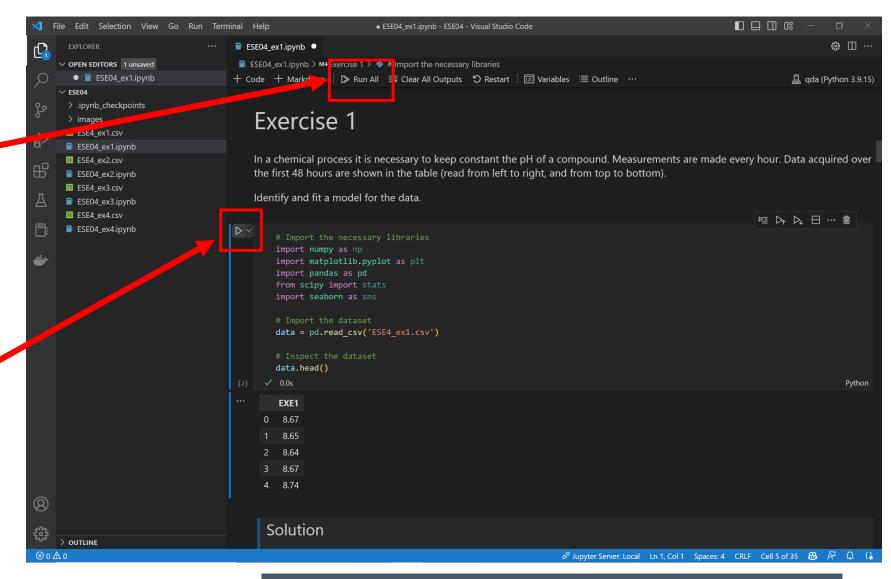
It is possible to add a new cell of code or a new markdown between any cells.

Markdowns can be used to import images, formulas or write simple texts.

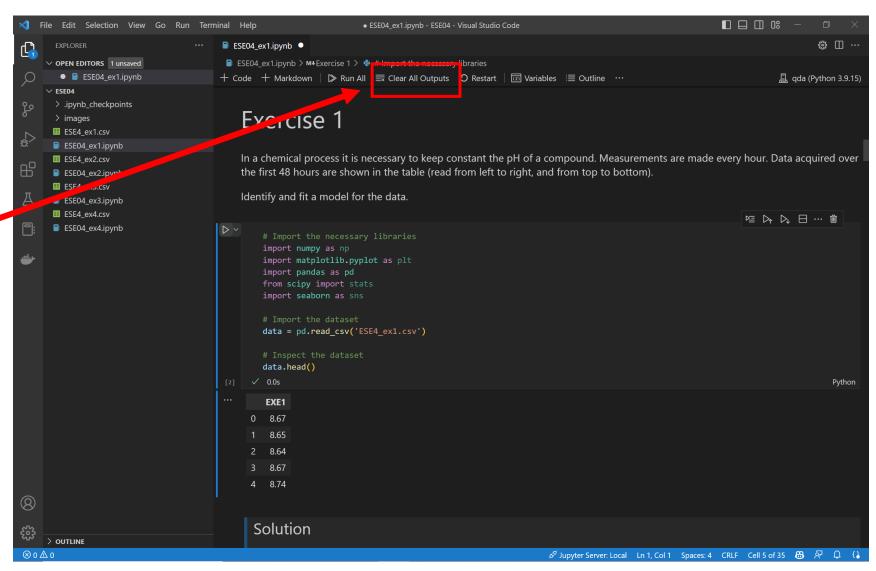


It is possible to run the entire code with the command *Run all* 

Or either the individual cell of code can be run independently with the *Run cell* command.

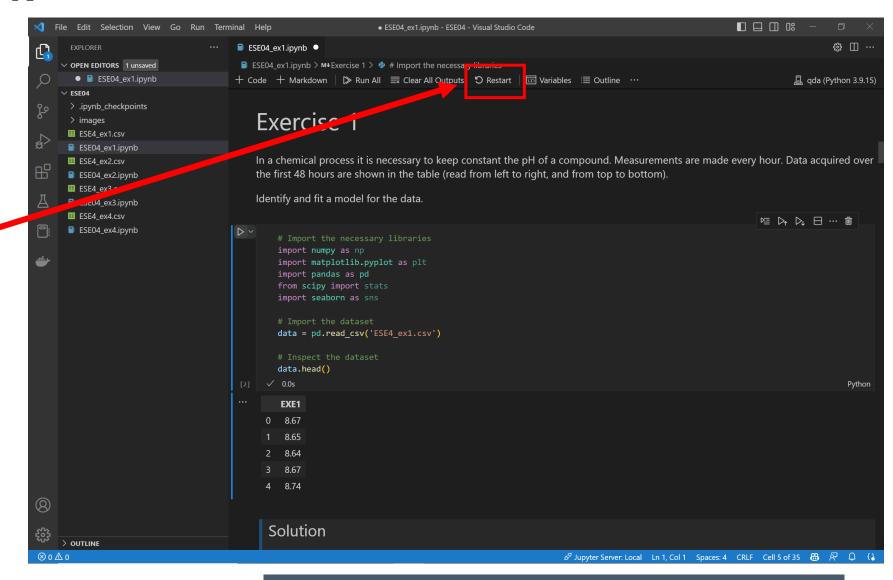


The command *Clear All Outputs* is useful to delete all plots and prints



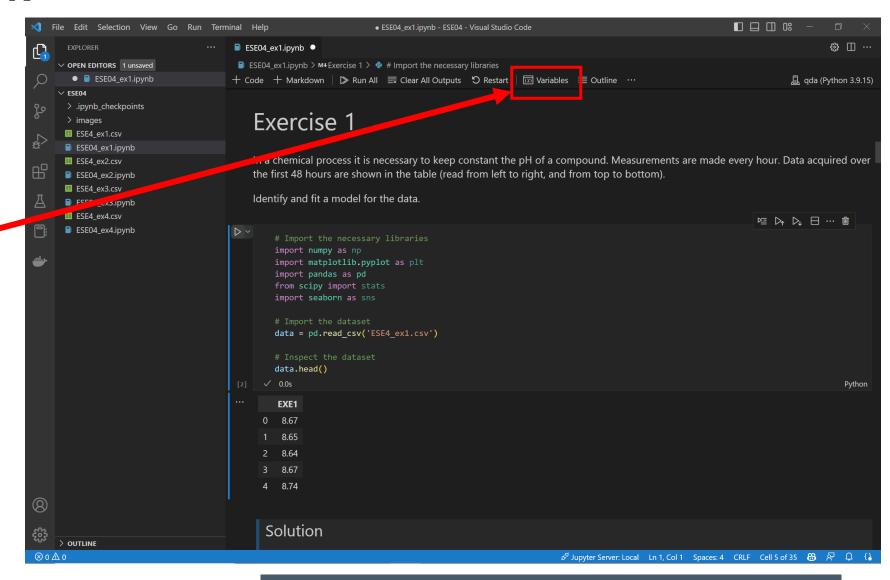
The *Restart* command will restart the kernel, and clear all the variables.

This might be useful when incurring in errors caused by variables.

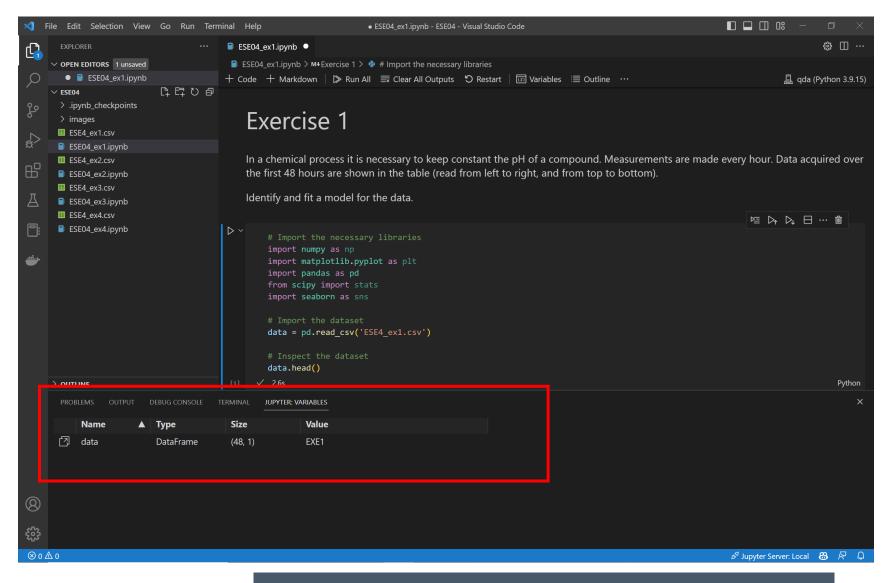


Variables can be displayed through the *Variables* command.

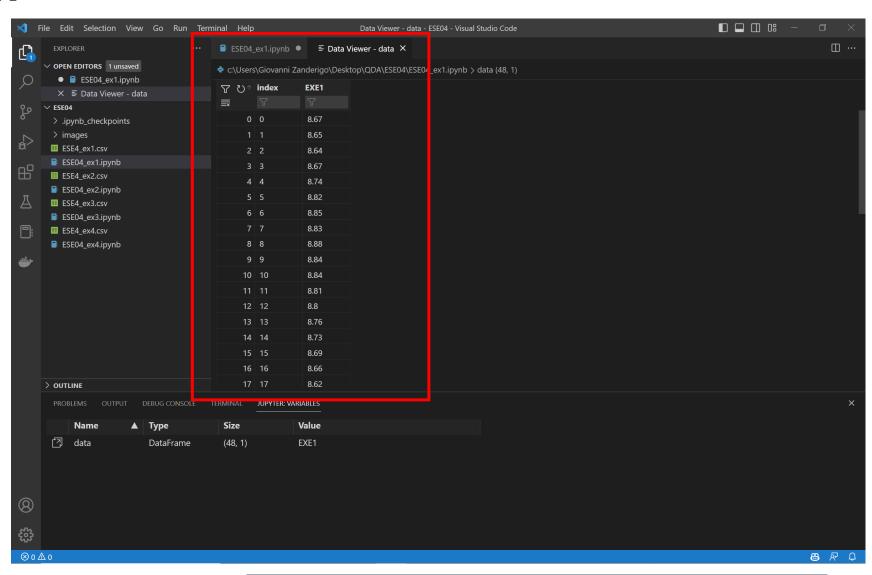
It is very useful for browsing and inspecting data sets or variables.



Pressing the *Variables* command, the list of variables will be displayed in a window.



If we doble-click on the variable's name, the *Data viewer* tab will open, displaying the content of the variable.



# **TUTORIALS**



Any additional information regarding Visual Studio Code can be found in the following link:

VS CODE TUTORIAL LINK:

https://code.visualstudio.com/docs/introvideos/basics





# **CONTACTS**

Prof.

Matteo Bugatti

matteo.bugatti@polimi.it

www.mecc.polimi.it





@meccpolimi

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