

TEXT EDITOR

The formal definition is: “A text editor is a type of program used for editing plain text files.”

Essentially, a text editor is a program on your computer that allows you to create and edit a range of programming language files. AKA this is the place where you write your code!

Text editors handle “hand coding” many different languages, i.e.: HTML, CSS, JavaScript, PHP, Ruby, Python, and so forth.

The advantages that we get

1. Easy to use and navigate (similar to a good word processor)
2. Find and replace feature (so you can change a single word in the whole file with a few clicks)
3. Cut, Copy, Paste (again, similar to word processors)
4. Ability to handle UTF-8 encoded text (also unlike a word processor)
5. Syntax highlighting (unlike your word processor, this makes it easier to read code and pick up any errors)
6. Customizable appearance (such as modifying font size, color schemes, etc., of your editor which optimizes your work zone)
7. Extensibility – (provide some plugin mechanism, or is scriptable, so a programmer can customize the editor with additional features – this is more advanced)
8. Auto-Completion
9. Checking Error & root cause

There are so many ,The most popular text editor for python are **Jupyter Notebook**, **Visual Studio Code** & **Pycharm**.

Jupyter Notebook



[The Jupyter Notebook](#) is an open-source web application that allows you to create and share documents that contain live code, equations, visualizations and narrative text.

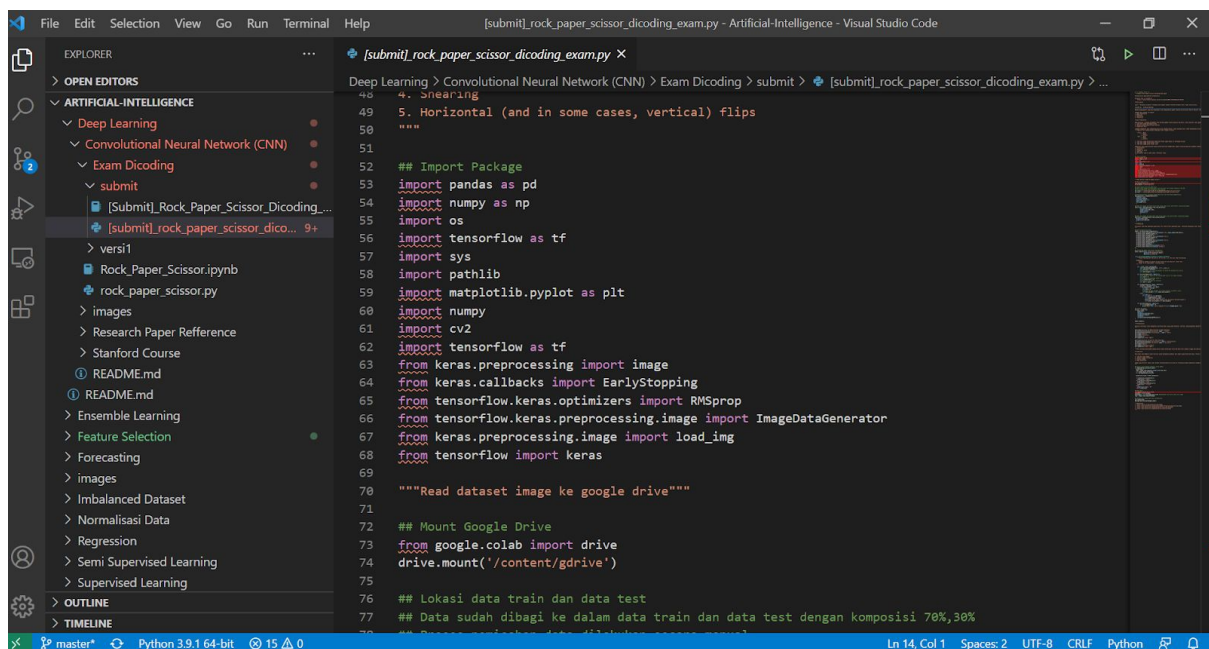
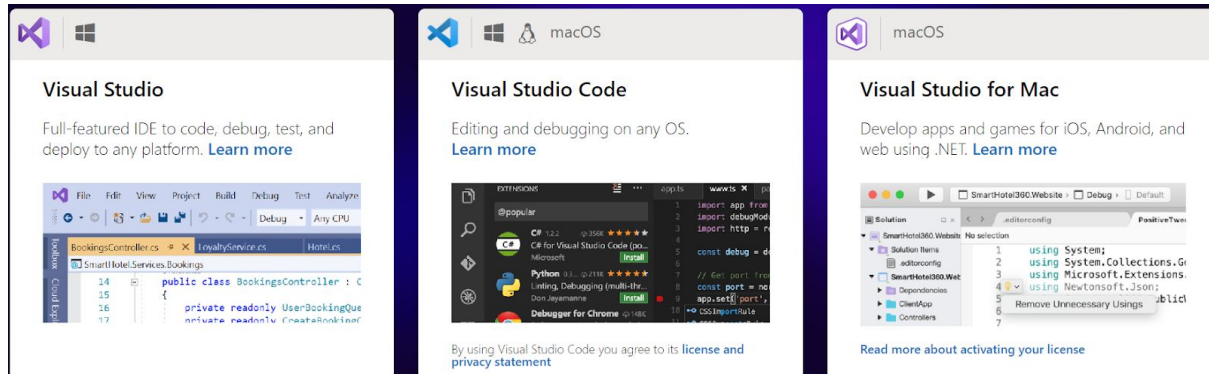
Uses include: data cleaning and transformation, numerical simulation, statistical modeling, data visualization, machine learning, and much more.

The screenshot displays a Jupyter Notebook interface in a web browser. The browser's address bar shows the URL: localhost:8888/notebooks/Documents/github/Data-Event/NusanTech%20Web%20inar/Introduction%20to%20Machine%20Learning%20... The notebook's title bar reads "jupyter Introduction to Machine Learning - Nusantech Webinar - Memprediksi Harga Rumah (unsaved changes)". The interface includes a menu bar (File, Edit, View, Insert, Cell, Kernel, Widgets, Help) and a toolbar with icons for file operations, running code, and markdown editing. The main content area is titled "Modeling" and contains three code cells. The first cell imports LinearRegression and cross_val_score from sklearn. The second cell calls df.head(). The output of the second cell is a table with 12 columns and 5 rows of data. The third cell contains code to split the data into features (X) and target (y).

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Id												
1	60	65.0	8450	7	5	2003	2003	196.0	706	0	150	856
2	20	80.0	9600	6	8	1976	1976	0.0	978	0	284	1262
3	60	68.0	11250	7	5	2001	2002	162.0	486	0	434	920
4	70	60.0	9550	7	5	1915	1970	0.0	216	0	540	756
5	60	84.0	14260	8	5	2000	2000	350.0	655	0	490	1145

Visual Studio Code

Visual Studio dev tools & services make app development easy for any platform & language.



PyCharm

PyCharm **provides** smart code completion, code inspections, on-the-fly error highlighting and quick-fixes, along with automated code refactorings and rich navigation capabilities.



PyCharm integrates with IPython Notebook, has an **interactive Python console**, and supports Anaconda as well as multiple scientific packages including matplotlib and NumPy.

