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# **Important Libraries for DS & AI**

The following are important Python libraries for data science and AI:

- **Numpy**  
Supports multi-dimensional arrays and matrices.
- **Pandas**  
Provide high-level data structure and operations to work with tabular data.
- **Scipy**  
Provide a wide range of scientific and mathematical functions.
- **Matplotlib**  
popular choice for data visualization.
- **Seaborn**  
Provide high-level API for data visualization.
- **Plotly**  
Best choice to make interactive plots.
- **Scikit-learn**  
Famous library for machine learning.
- **Tensorflow**  
Google's library for deep learning.
- **Pytorch**  
deep learning library by Facebook and open-source.

# **Important Extensions for DS** **and AI**

The following are famous VS code extensions for DS and AI.

- Python
- Pylance
- Autopep8
- Jupyter
- Jupyter Cell Tags
- Jupyter Keymap
- Jupyter Notebook Renderer
- Jupyter Slide Show
- Markdown All in One
- Markdown Shortcuts
- Markdown Lint