Below are some great resources that you can use to learn more about the functions and they way they are being used.

1. Python and Core Libraries

General Python

- **Python Docs** – Official Python reference.
- **W3Schools Python Tutorial** – Beginner-friendly tutorials.
- **Real Python** – In-depth tutorials with examples.

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2. NumPy – Numerical computing (arrays, statistics, etc.)

- **Official Docs**
- Read about: `np.nan`, `np.mean()`, `np.quantile()`, `np.isnan()`, array slicing, and logical indexing.
- Tutorial: NumPy Quickstart

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3. Pandas – Working with tabular data (like Excel/CSV)

- **Official Docs**
- Key Concepts:
    - `read_csv`, `dropna`, `fillna`, `astype`, `groupby`, `plot`, and `.loc`, `.iloc`
    - **DataFrame**: Like a table (rows + columns)
    - **Series**: A single column
- Cheatsheet: Pandas Cheatsheet by DataCamp

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4. Matplotlib – Basic plotting (line, bar, scatter)

- **Official Docs**
- Read about: `plt.plot()`, `plt.hist()`, `plt.title()`, `plt.show()`
- Tutorial: Matplotlib Pyplot Tutorial

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5. Seaborn – Advanced statistical plots (histograms, boxplots, heatmaps)

- **Official Docs**
- Tutorial: Seaborn Tutorial (DataCamp)
- Key Functions:
    - `sns.histplot`, `sns.boxplot`, `sns.scatterplot`
    - Works well with pandas DataFrames

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6. Xarray – Multidimensional labeled arrays (for NetCDF, satellite, weather data)

- **Official Docs**
- Read about: `open_dataset`, `isel`, `sel`, `where`, `.plot()`, and `.values`
- Quickstart: Xarray Quickstart

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7. Extra Help for Students

For Jupyter Notebook Users

Use `?` or `help()` in code:

```
 import pandas as pd
help(pd.read_csv)
```