**Modules:**

A module is a file containing Python code (functions, variables, classes) that you can reuse.

import math

math is a built-in module.

**Packages:**

A package is a folder containing many modules.

**Built-in Modules**

Python already comes with many useful modules.

Examples: math, random, os, datetime

**User-Defined Modules**

You create your own module.

**Regular Expressions (re)**

Used to search, match or extract patterns from text.

Useful for: Finding phone numbers, emails, URLs, etc.

**Matplotlib**:  
Think of it like *painting from scratch*  
You control every color, label, line, tick.

**Seaborn**:  
Think of it like *auto-beautify*  
It takes your data and makes beautiful charts quickly.