

Modular Project Structure.

Building something.

like a kitchen.

↳ organized.



Tea \Rightarrow utensil, Tea, Milk, Water, Sugar,
ginger, Masala, Cardamom.
↓
filter, cup
pot

Storage

utencils

Preparation
Material

serving.

Data Science.

- ① loading data ✓
- ② Preprocessing / EDA ✓
feature Engg. Exploratory Data Analysis
- ③ Modeling ✓
- ④ Evaluation ✓

Jupyter NB

Modular Str.

- ① loading data ✓ \rightarrow data_loader.py ✓
- ② Preprocessing / EDA ✓ \rightarrow preprocessing.py ✓
feature Engg. Exploratory Data Analysis

- ing.
- ③ No deling ✓ → model.py
 - ④ Evaluation ✓ → evaluation.py
 - ⑤ main.py → stitch everything

Module & Packages.

module ⇒ a single .py file

eg. → model.py = a module

Package ⇒

src/

- init__.py
- preprocessing.py
- eda.py

src

✓ one.py
two.py
--init__.py

1 func1
2 func2
3 func3

from path2.three import func7

import from diff. Package

from .one import func1

import from same Package

path2

three.py
four.py

src6
src7
+8

Virtual Environment.

Box

Package → make this project.

packages

diff. projects may need diff. versions of Packages
hence creating a virtual env. help us
separate all projects from affecting others.

dot env

.env

text file

to keep configurations

↳ API Keys

↳ Credentials

↳ DB username / passwords.

Python-dotenv

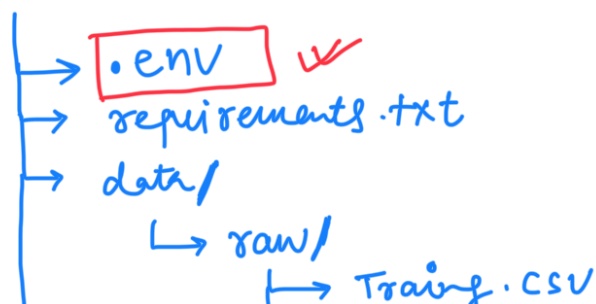
* while committing to Github → avoid putting
your secrets to the
github.

requirements.txt

used to write packages (optionally with version)

Structure

Project folder/



venv
.venv x

