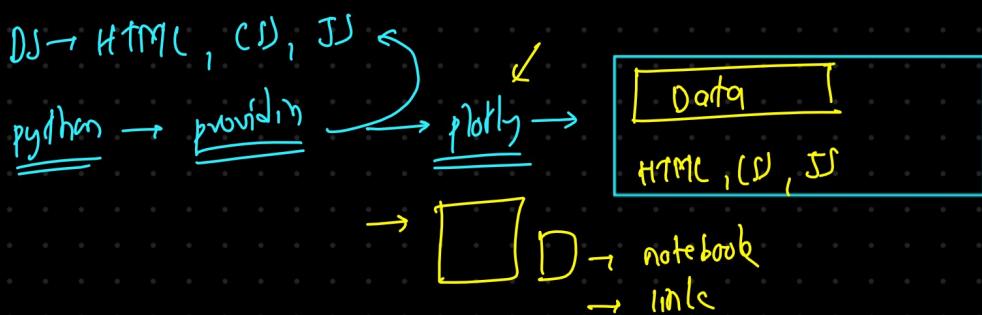
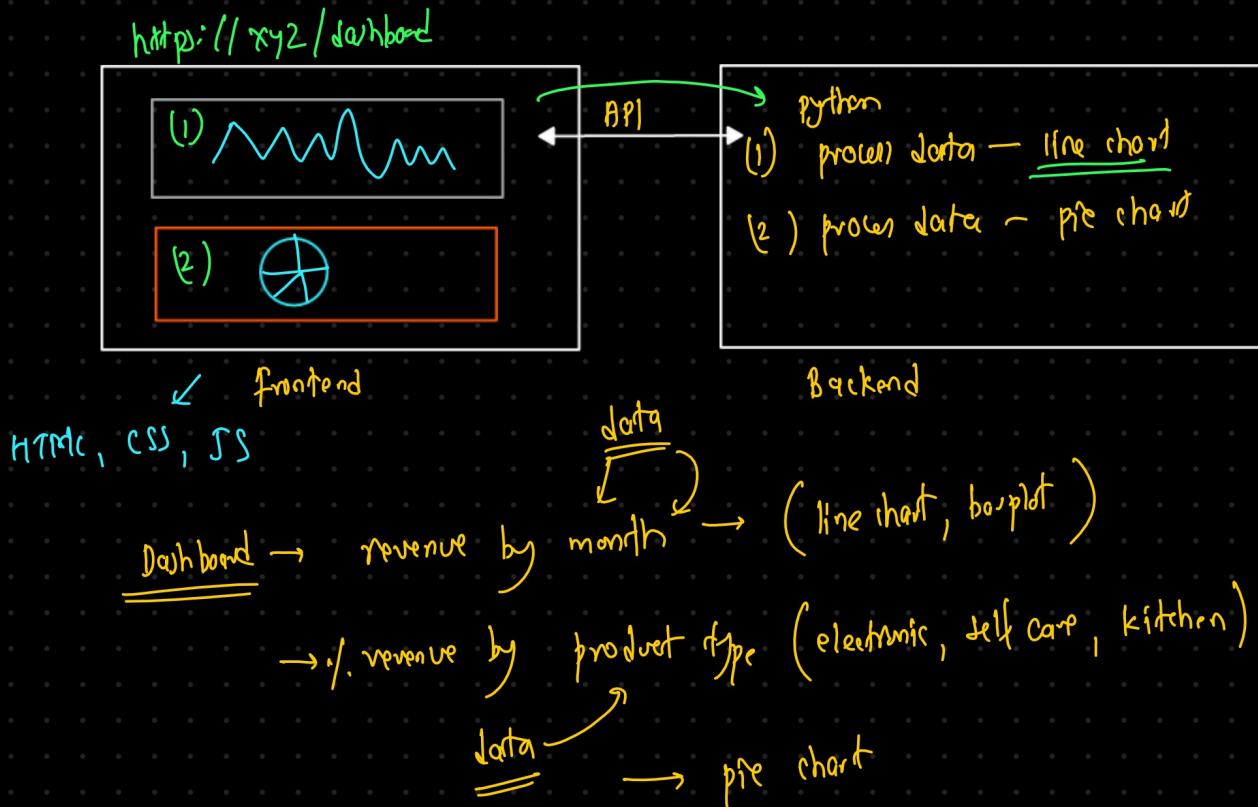


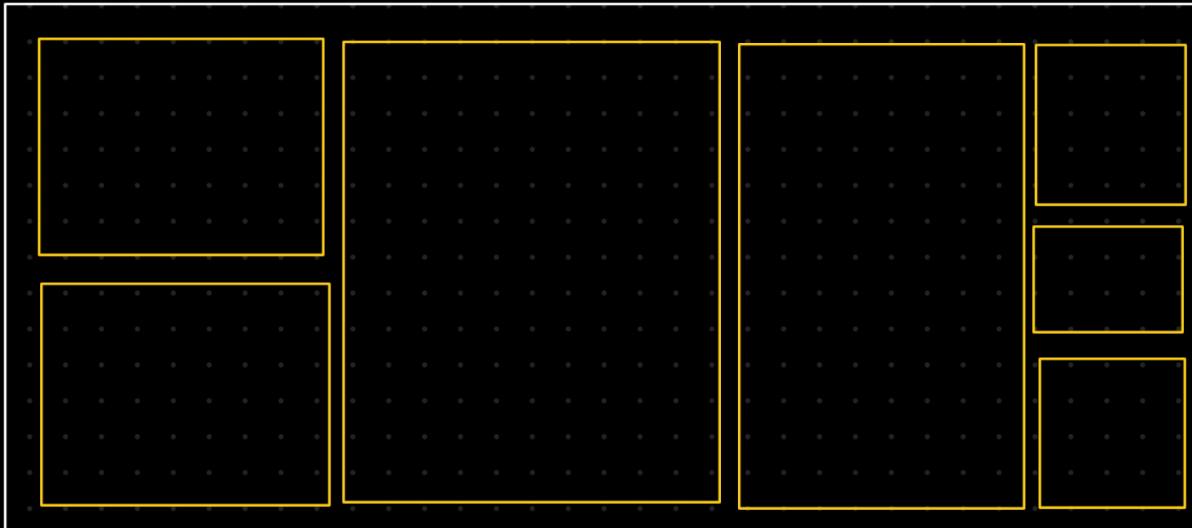
22-06-2025

Data visualization - III (plotly)

Database - I



Dashboard



url: application

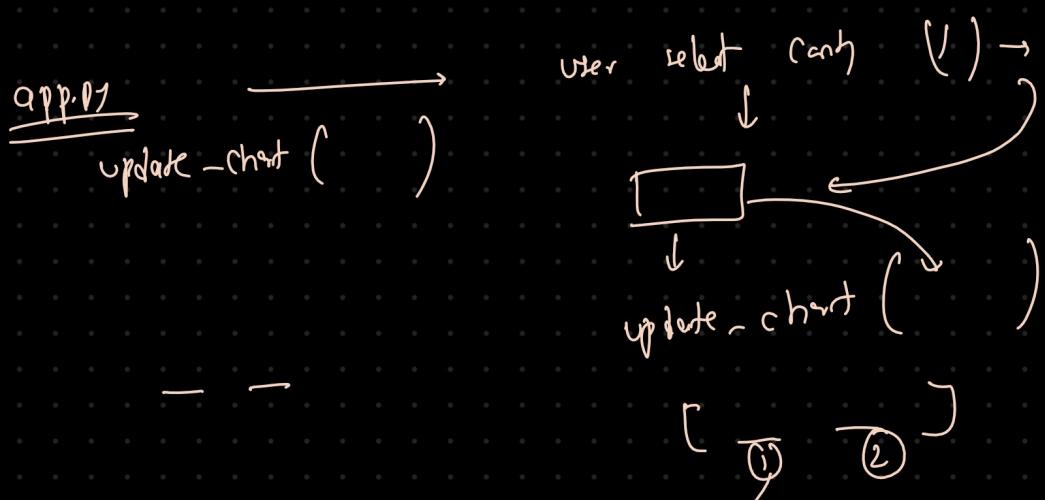
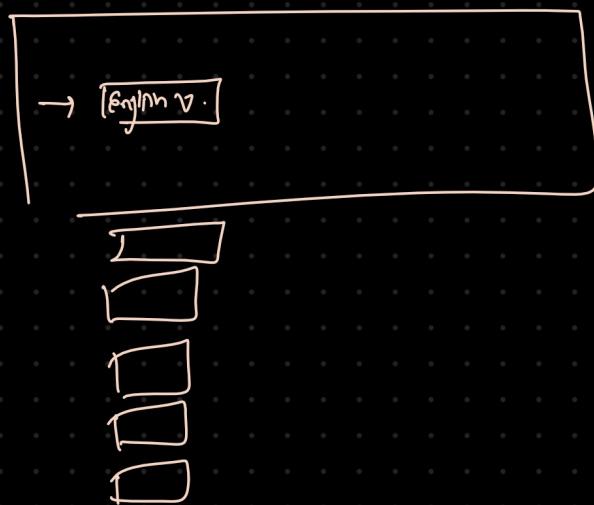
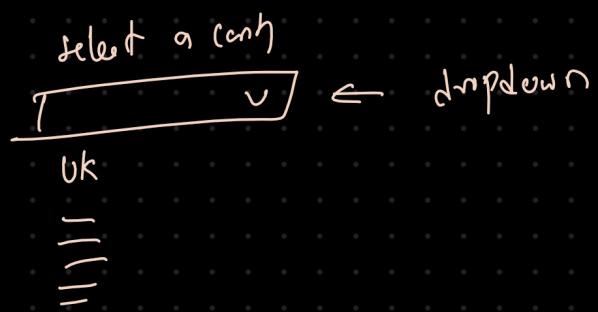
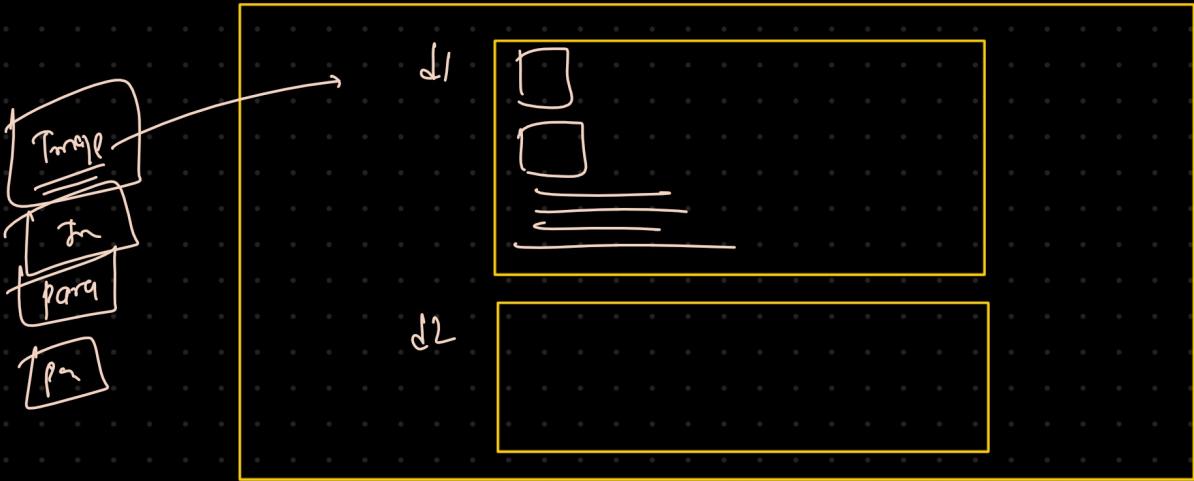


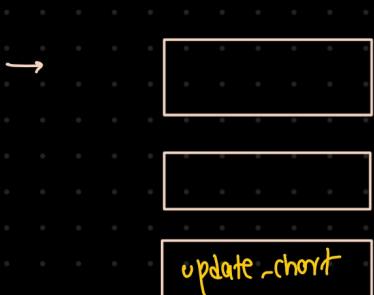
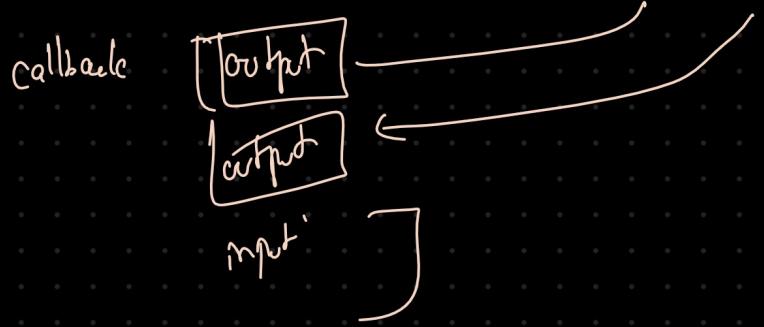
[]

user → select a country → UK

(1) $f_df = df[df['country']] = []$

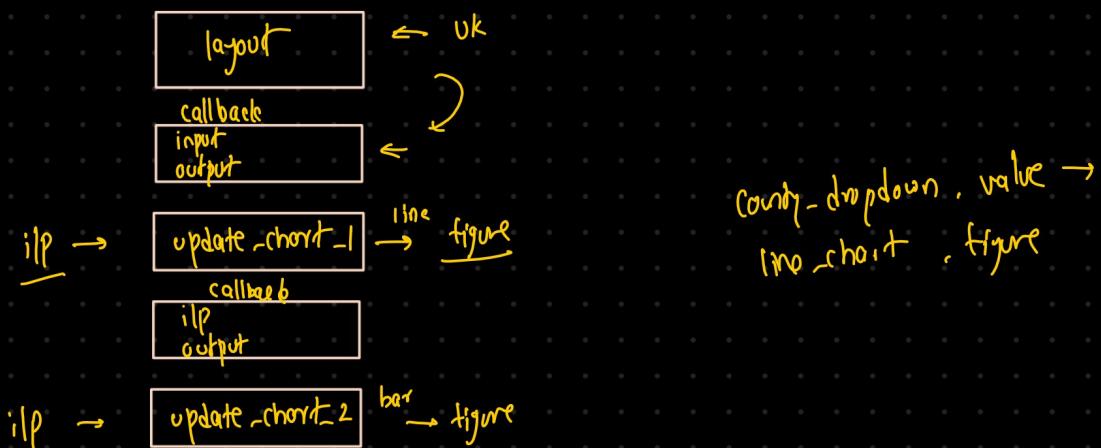
$f_df.groupby('Month')[['Revenue']].sum()$...





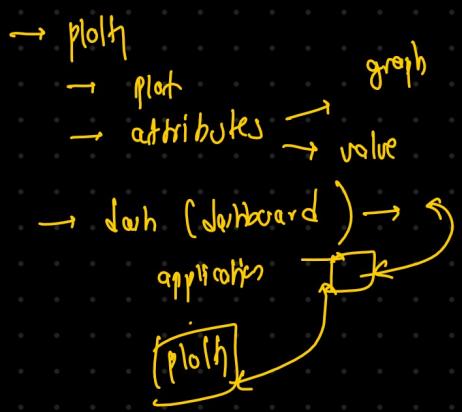
- Dash

- * dropdown - UI
- * trigger - register function
- * associate the function u-chart
 - input ('count-dropdown', 'value')
 - output 'line-chart', figure
 - output 'bar-chart'. trigger
 - function → reference



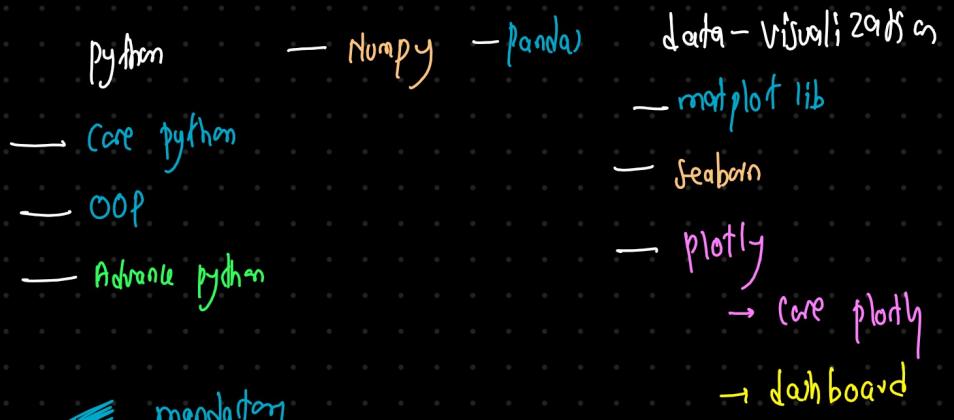
dataframe - column → column
- index → index

plt, figure



$\text{plotly} \rightarrow \text{good graph} \rightarrow$
 $\begin{cases} \text{HTML} \\ \text{UI} \\ \text{Java} \\ \text{Python} \end{cases} \rightarrow \text{memory}$
 $\rightarrow \underline{\text{interested}}$





~~mandatory~~

~~good to have~~

~~optional~~

~~optional & can be ignored~~

~~complex development (Software Engineering)~~

→ Threading

→ processing

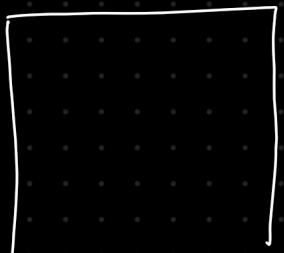
Assignment

→ level ~1 ←

→ level ~2 ←

=====

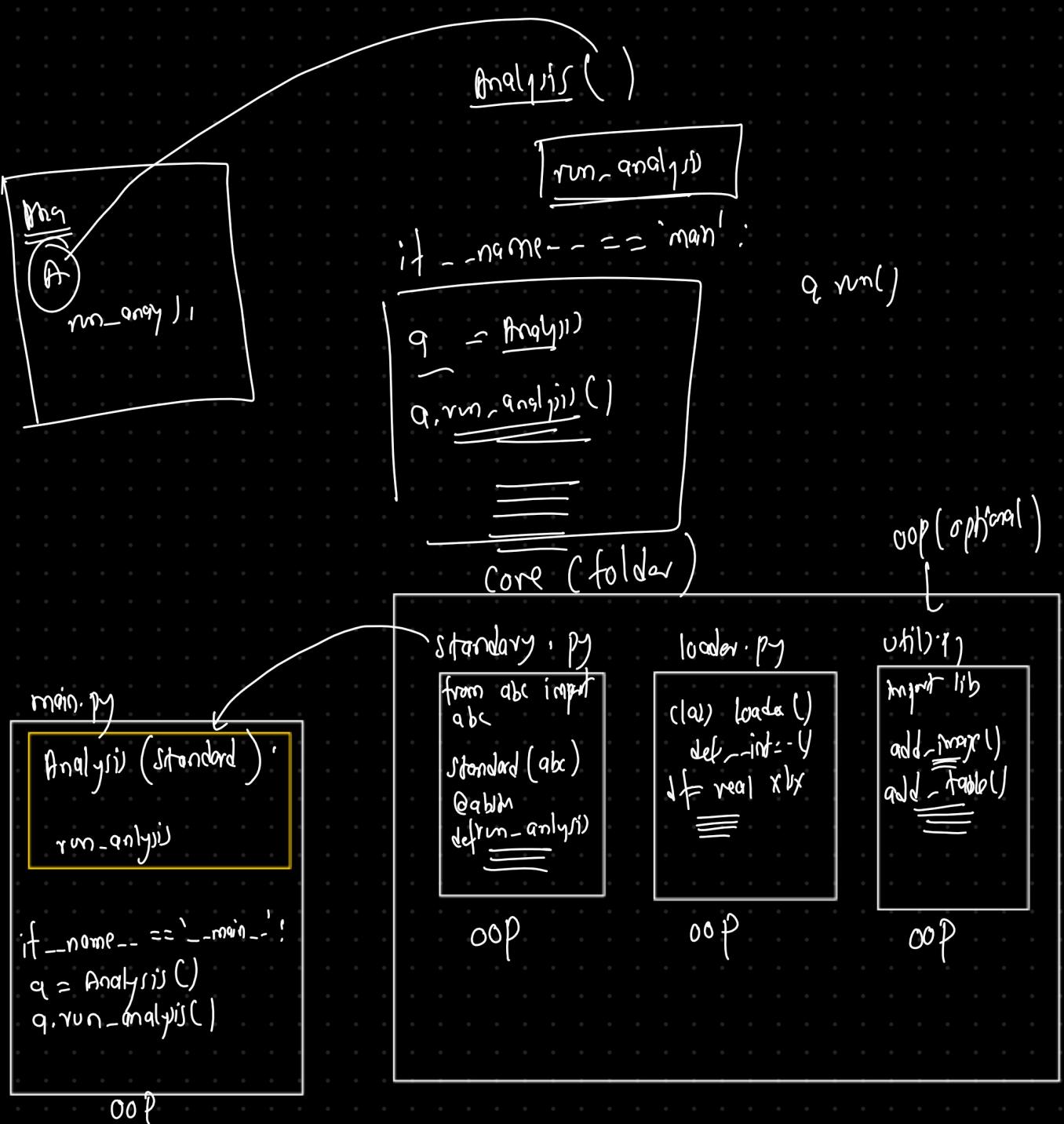
Analysis



.pdf

reportLab
 (image ←
 table ←
 reading ←)

explore



- python main.py
 → program ← value(1, 2, 3)
 → generating pdf()

difficult → hard

project → 100%

carp
|
— a.py
|
— b.py
|
— c.py
main.py

①

a.py
b.py
c.py
main.py

②

carp
|
— uHl.py
|
— uHl.py
a.py
b.py
c.py
main.py

③

