

Streamlit - Ultimate Masterclass ==

Agenda :

- What end-to-end Data science work look like?
- Where does Streamlit come in the picture?
- What is Streamlit, how to use this tool to build interactive dashboards.
- How to package your ML model into a link which everyone can interact with without any frontend knowledge

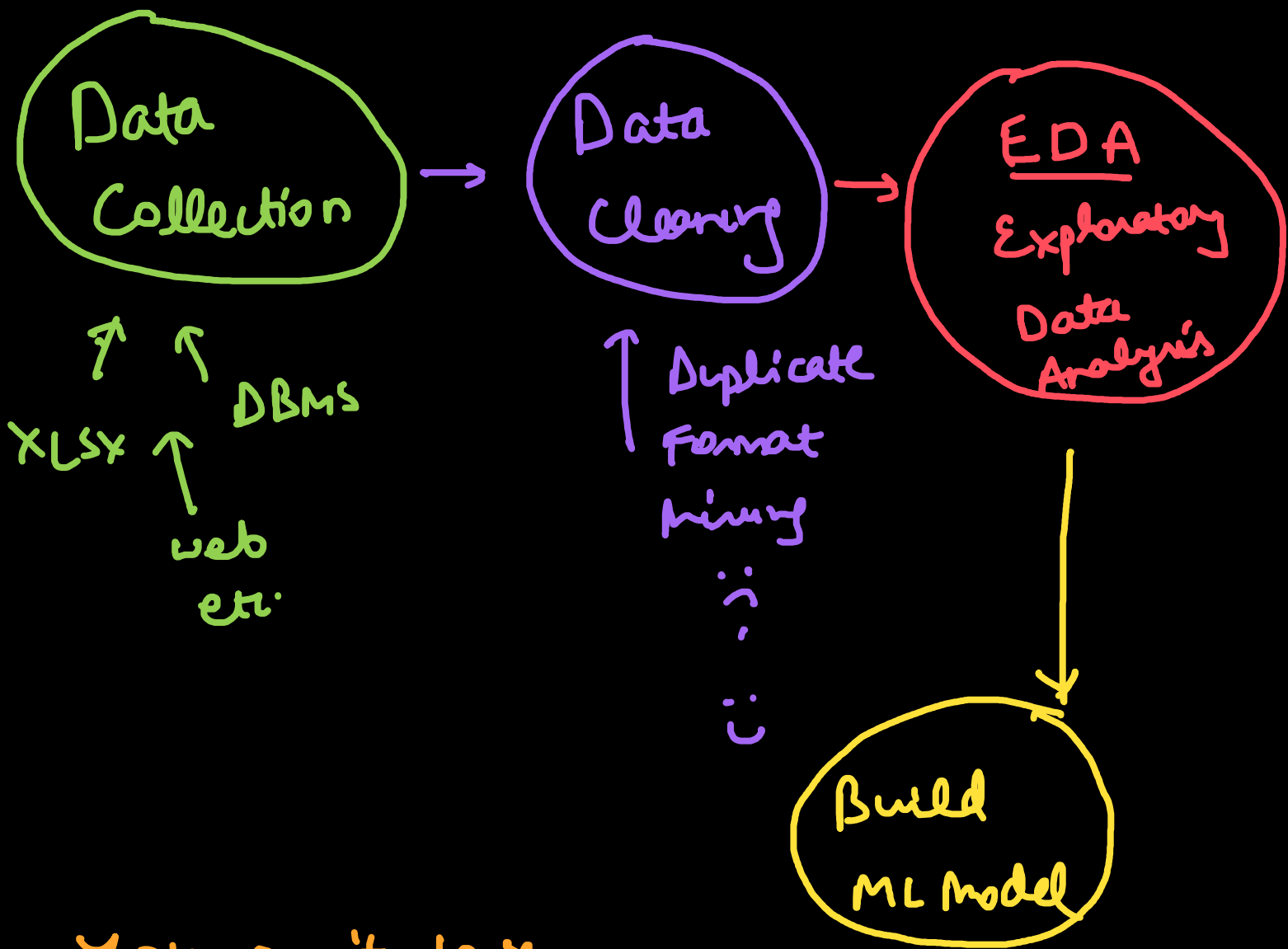
Stock Price Analyser ==

VS Code

Anaconda / Miniconda

Q-1

End to end Data Science work :-



You can't share
the Jupyter nb.
or doc in plain
format
⇓

Complete analytical report
on a tool they
can interact with,
on a website even,

Using it
as Black
box for now
(not going to
algm. level)

Libraries → 3rd party code packages „

docs.streamlit.io Q-2

Instead of using Django and Flask to build webapps we could use

Streamlit „

→ as it doesn't require Frontend

HTML, CSS, JavaScript knowledge ✓

<https://www.geeksforgeeks.org/a-beginners-guide-to-streamlit/>

→ other reason of using it is that we can't give Py scripts and ipynb to business men

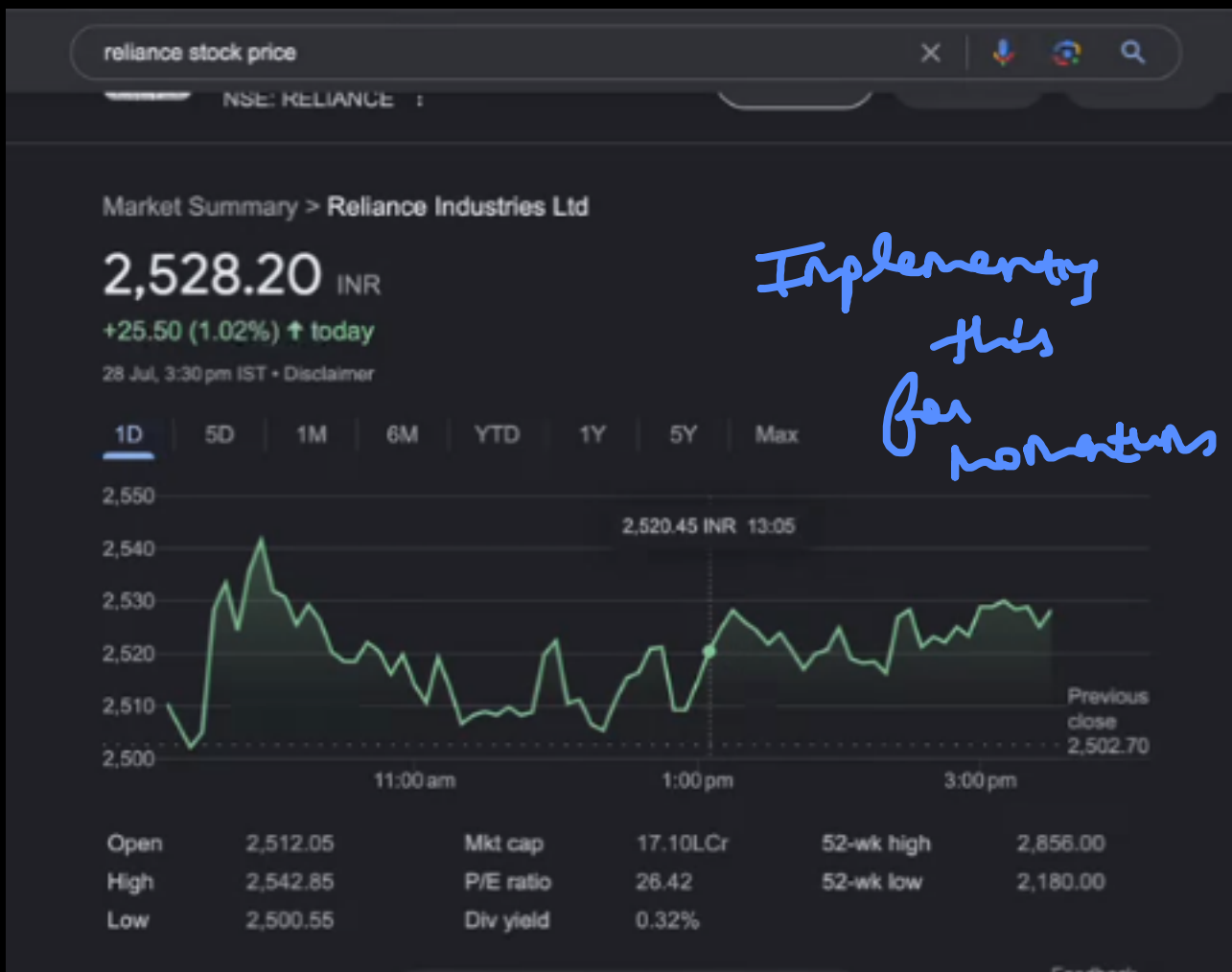
Let's start, with above link,

Reached here

Stock Price Analyzer !!!

Apple's Stock price data -- start='2019-01-01', end='2022-12-31'

Date	Open	High	Low	Close	Volume	Dividends	Stock
2019-01-02 00:00:00-05:00	37.2655	38.2182	37.1067	37.9945	148,158,800	0	
2019-01-03 00:00:00-05:00	34.6406	35.0593	34.1642	34.21	365,248,800	0	
2019-01-04 00:00:00-05:00	34.7729	35.7401	34.5973	35.6704	234,428,400	0	
2019-01-07 00:00:00-05:00	35.7762	35.8075	35.1026	35.591	219,111,200	0	
2019-01-08 00:00:00-05:00	35.9831	36.5269	35.7329	36.2694	164,101,200	0	
2019-01-09 00:00:00-05:00	36.3993	37.1789	36	36.8853	180,396,400	0	
2019-01-10 00:00:00-05:00	36.6905	37.0442	36.2959	37.0033	143,122,800	0	
2019-01-11 00:00:00-05:00	36.7819	36.9792	36.4523	36.6399	108,092,800	0	
2019-01-14 00:00:00-05:00	36.2935	36.3946	35.9013	36.089	129,756,800	0	
2019-01-15 00:00:00-05:00	36.154	36.9046	36.101	36.8276	114,843,600		



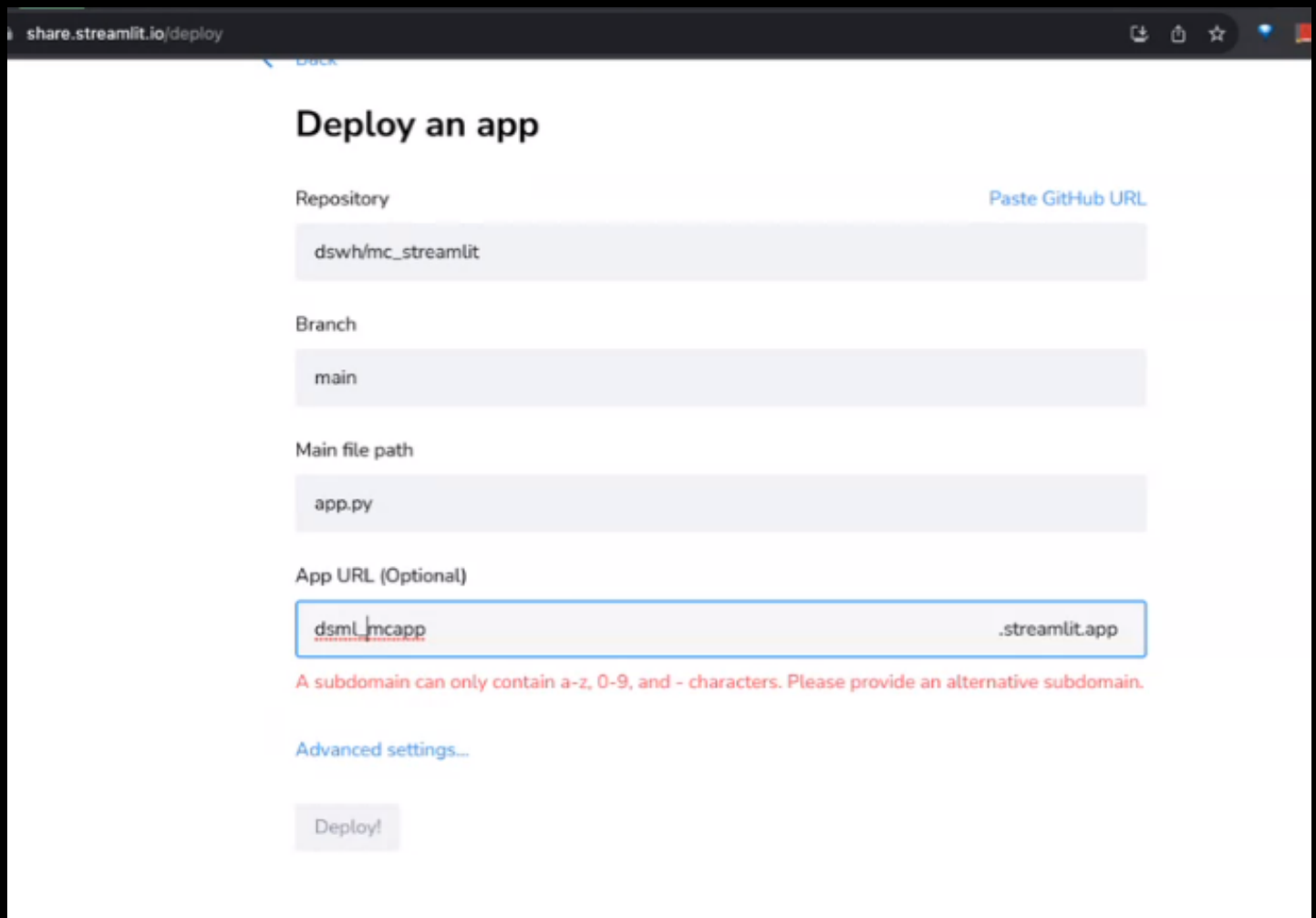
Implementing this for monstus

forwarding in OBS will share YT link

You can zoom in and out as well

≡ 21:03

Examples are mentioned well
in dsw-streamlit ≡

A screenshot of the Streamlit deployment interface. The browser address bar shows 'share.streamlit.io/deploy'. The page title is 'Deploy an app'. There are four input fields: 'Repository' with 'dswh/mc_streamlit', 'Branch' with 'main', 'Main file path' with 'app.py', and 'App URL (Optional)' with 'dswh/mcapp'. A red error message is displayed below the App URL field: 'A subdomain can only contain a-z, 0-9, and - characters. Please provide an alternative subdomain.' There is a 'Deploy!' button at the bottom. The 'Advanced settings...' link is also visible.

share.streamlit.io/deploy

Deploy an app

Repository [Paste GitHub URL](#)

dswh/mc_streamlit

Branch

main

Main file path

app.py

App URL (Optional)

dswh/mcapp .streamlit.app

A subdomain can only contain a-z, 0-9, and - characters. Please provide an alternative subdomain.

[Advanced settings...](#)

Deploy!

<https://streamlitdemo-7nnwegzcgzfa8br28fmwcr.streamlit.app/>

<https://www.youtube.com/watch?v=sjesQabd0y8>