

Software Comparison

Streamlit

Advantages

- Very Easy to use = can be done in a shorter amount of time = will definitely be within the timeframe of the internship.
- Very nice interface, easy to use and does the job.
- Almost identical to Python code.
- Looks close enough to an app.

Disadvantages

- There is only one way of doing everything = less options.
- Functionality may or may not be enough to do everything we want.

Dash

Advantages

- Vast amount of libraries, widgets and functionality.

Disadvantages

- Much more complex will take longer to learn = might be tight for time.
- As far as I have seen, it is much harder to manipulate the data frame, it's like learning a new language.
- It looks less like an app and more like a dashboard.
- It's not faster than Streamlit.

Other options:

Power BI with Python: Coded in regular python but doesn't look like an app.

Viola: Seems very similar to Streamlit, need to look into it more.

Flask & Vue: Basically javascript and html, seems pretty bad.

Panel: Similar to dash, seems easier to write but not the best at anything.