1. Who am I?

Describe MBDU

What I do & why I do it – new career path, my programming experience to date, want to expand skill set

1. What I wanted to do with the current project…

CBT outpatient program in our group

User-friendly interactive plot for clinicians to check patient progress (how they currently have to view one participant at a time, re-logging in with each new participant’s identification number.

Aim was to have drop downs for both participant and measure type (ARI, MFQ & SCARED) and to have the x-axis change for each display to reflect the date ranges of treatment for that participant.

1. What I did…

Researched interactive plots (e.g. Bokeh & Dash app with Plotly)– involved viewing galleries of packages to find something similar to what I had in mind.

Tried adapting the code associated with a few of these, plus help from StakOverflow, until I found a working solution.

Adapted to allow display of parent and child report on the same measure for each participant.

1. Show resulting graph and discuss…

Talk through the different patterns of change across the participants.

1. What I learnt… (through trial & error & failures)

What I failed to do: couldn’t get changing x axis in time for this presentation. Also, for the sake of time I ended up restricting myself to only the depression measure.

Tried playing around with cleaning up the code – wasn’t very successful but leant a lot more about creating loops and functions in the process.

Unforeseen issues: reckon I broke my finger over the weekend!

Through the process also got to play around with Jupyter notebooks and slide making to decide how I wanted to present the results. Also got more experience with Github.