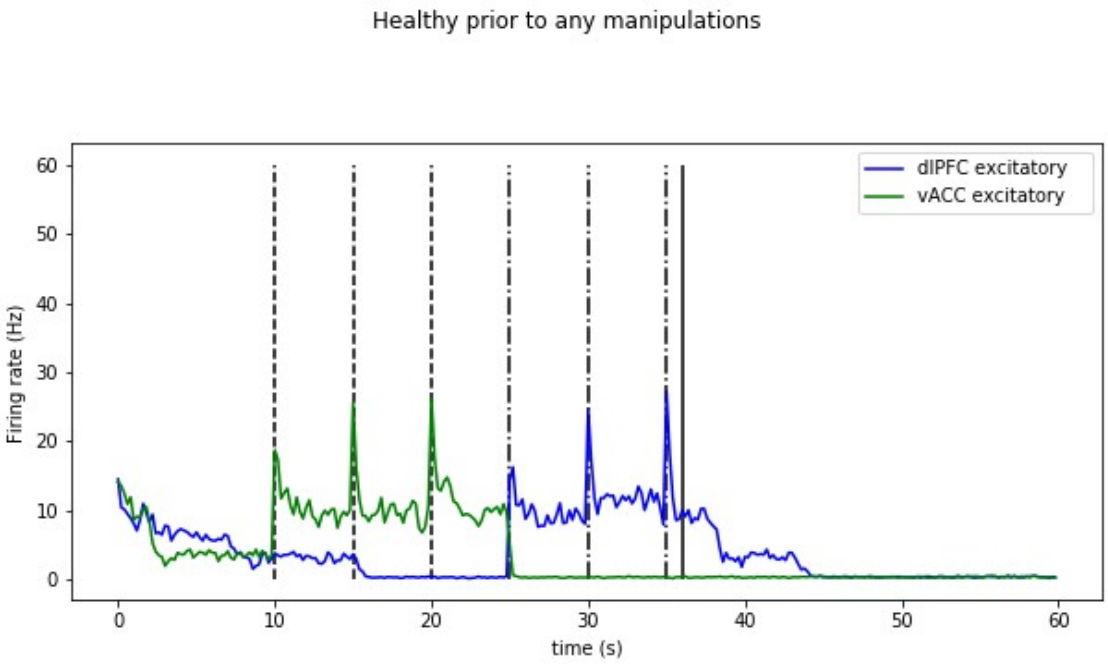

All of the graphs produced below were made from averaging over 10 trials.

Figure 1: Healthy firing prior to any manipulations.

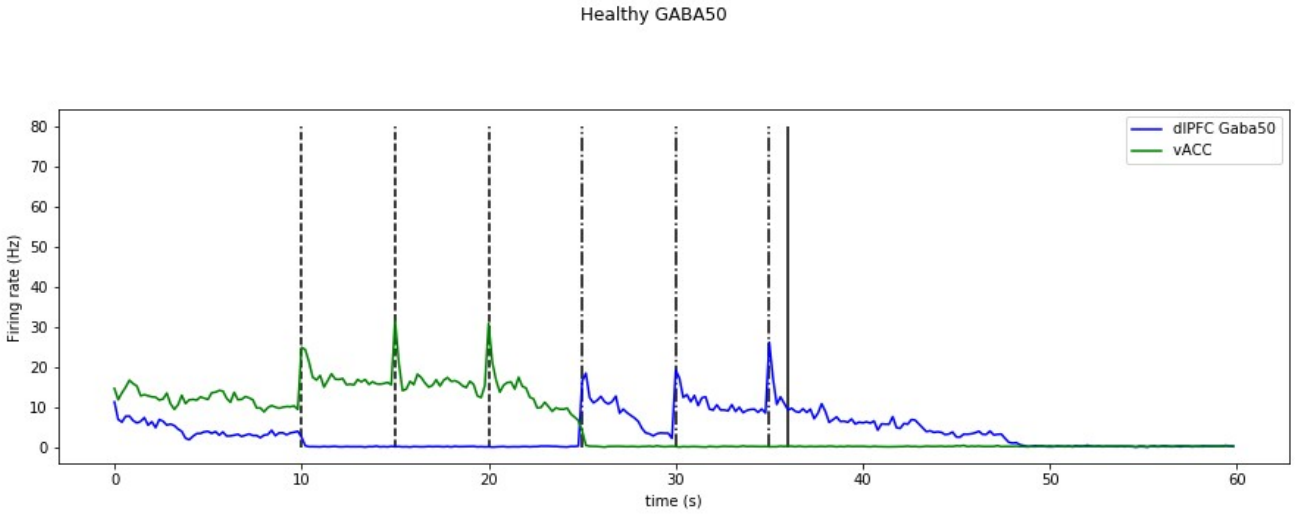

Figure 2: Healthy condition with the GABA decay prolonged by 5 times in the dlPFC. (in both excitatory and inhibitory population)

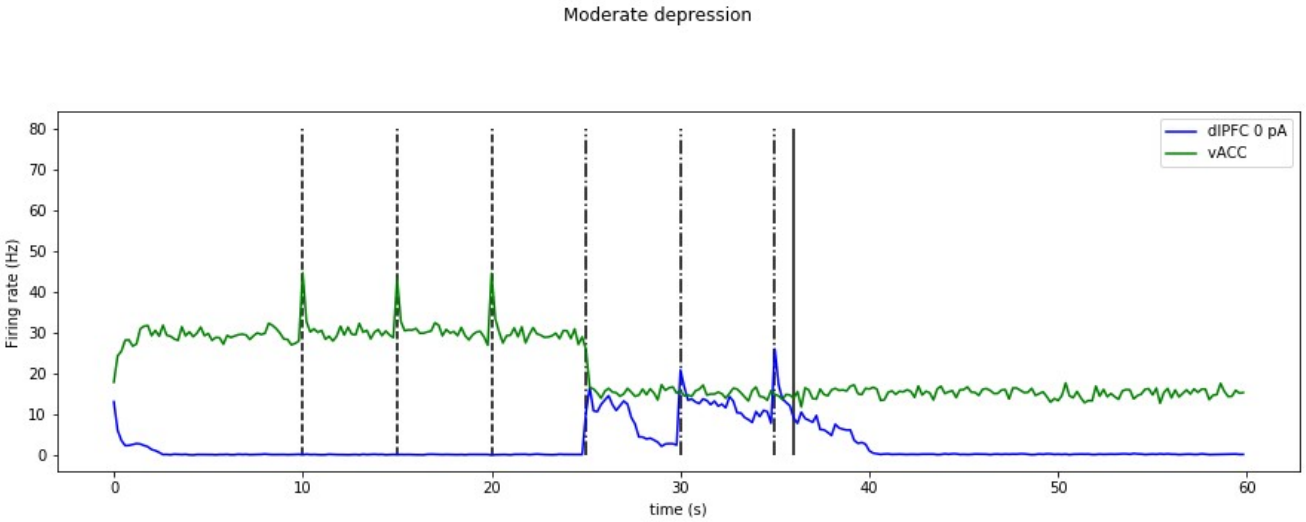

Figure 3: Firing in moderate depression without any manipulations.

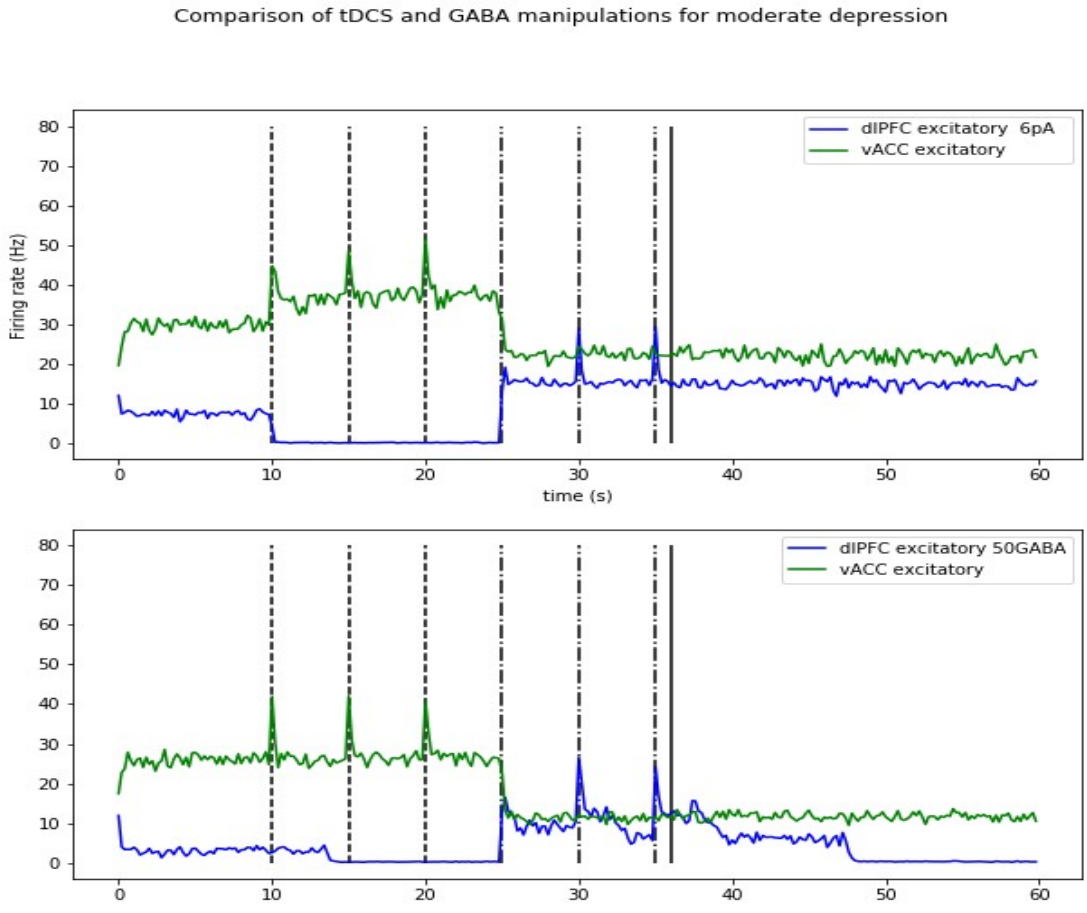

Figure 4: Comparison of impact of GABA manipulation and tDCS in moderate depression

Below these are graphs which plot firing of two regions(vACC and dlPFC) against each other. As far as I understand they can represent the bistable property of the network. Since it can be seen that for the

same value of firing of one area, there might be two different firing rates of the other network. I wanted to try and see if it is possible to pick up any patterns from these.