Carl Ty Mellor

Software Carpentry

Final Project Proposal

Sorry this is a bit late, got stuck at lab a lot longer than I expected tonight.

I spoke with one of the TAs about a couple of machine learning ideas on Thursday:

'Magic Eye' solver

NMR compound solver

After looking more into these, I don't think I'll be able to find good datasets to train on + be able to do it all in the time left.

How would you guys feel about an image identification program for agarose and/or SDS PAGE gels? One where you upload an image from your phone and it identifies bands, marks their size & intensity, and automatically labels each? That would save me a decent chunk of time in my own lab work, especially if it can make them look nice.