LabBook_06_05_2016

Claire Green 4 May 2016

Tuesday

I spent the morning reading about eQTLs, particularly how they are used in research pertaining to disease. I also read the FANTOM 5 paper.

Wednesday

I worked on creating an illustrative example of using Genome Translation Commons. The keynote file can be found in the GTX Example folder. David and I also spotted a lot of bugs I also began looking at Win's suggestion about the bidirectional promotor of C9orf72. I used the ZENBU platform to identify the non-coding RNA it's linked to and wrote down some notes on how you would investigate its role in C9orf72's activity. Obviously, as C9orf72 mutations cause TDP-43 pathology, this is interesting as the expansion mutation is in the promotor region. This means the mutation would also affect this ncRNA.

Thursday

I spent the morning talking with Wenbin about PCxN improvements. I undertand at the moment that its functionality is most important as the reviewers will not care about usability, but I do believe that at some point these issues must be addressed. This is likely something the junior programmer would do.

In the afternoon, I worked on looking at my correlation problem. This is the code I have so far:

My problem is that the correlation values are okay, but there's too much information. I also need a p value, but I'm not sure how to generate one. I know that corr.test in the psych function exists, but I know Yered doesn't use that so I'm not sure what to do.

Friday

At lab meeting, Win said I should speak to Gabriel about the correlation stuff. I tried the corr.test but it has been running for hours and nothing has happened. There must be a better way...