**15/10/2020**

**2/3-month desirables**

**Primary task**

**Many of the tasks are interconnected and interleaved so not as overwhelming as it first appears.**

* **I need to proficient in using Git for version control of all my works and for collaborating with others and using Github.**
* **To have completed the basics and framework for the statical analysis guide for psychological research and its standard Data analysis protocols (Blanca, Alarcón, & Bono, 2018).**
* **Learn Python visualisation libraries Matplotlib, Seaborns, Arviz**

**Secondary tasks**

* **To have read all (Gelman, Hill, & Vehtari, 2020; Krushcke, 2014; McElreath, 2020) for solid Bayesian stats understanding foundations for application primarily but theory also.**
* **Keep up with online lecture form probability and statistics lectures.**
* **Identify some OSF data sets to analyse using the Bayesian framework ad Stan**
* **Start Narrowing down research questions that I am interested in and run as studies to be published then apply the Bayesian data analysis methods to and publish into the literature. Online study or lab work to stat the process of building a body of work for the PhD.**
* **Complete 2/ RRDP sessions (overbooking is a problem atm)**
* **Keep up with PYM0FM to keep fMRI analysis at a a level to apply as necessary**
* **To still have mental and physical health, without those this is all pointless.**
* **Stay focused and deal with the fact this is going to be challenge that is going to be both a tough and lonely one.**

**References**

* Blanca, M. J., Alarcón, R., & Bono, R. (2018). Current practices in data analysis procedures in psychology: What has changed?. *Frontiers in psychology*, *9*, 2558.
* Gelman, A., Hill, H., Vehtarim A. (2020). *Regression and other stories*. Cambridge, United Kingdom: Cambridge University Press.
* Krushcke, J. K. (2015). *Doing Bayesian analysis: A tutorial with R, JAGS and Stan*. London, England: Academic Press.
* McElreath, R. (2020). *Statistical rethinking: A Bayesian course with examples in R and Stan*.  London, England: CRC Press.