Why R?

- R allows you to engage in reproducible research.

- Statistical packages in R reflect the latest advances in the fields of Statistics and Data Science.

- Advanced models such as Linear Mixed Models (LMMs) are easy to build in R - many of the best journals now require LMMs to be used as they are more powerful and flexible than classical techniques such as ANOVA.

- Lots of amazing data visualisation packages available.

- In many institutions, the next generation of academics (M-level and PhD students, post-docs etc.) are learning R skills as part of their training.

- Plays an important role in Open Science.

What role can R play in Open Science?

- R scripts are easy to share allowing for reproducibility and easy public sharing of data and code.

- R is free, open source software that is much more flexible and powerful than SPSS.

- There is an active R community continuously updating statistical tests and packages that run in R.

- As R is a programming language, it forces you to know your data.