

Session	Topic	Lecturer
1	Introduction, Open Science, and Power	Andrew Stewart
2	Introduction to R	Andrew Stewart
3	Data Wrangling and Visualisation	Andrew Stewart
4	General Linear Model - Regression	Andrew Stewart
5	General Linear Model - Regression	Andrew Stewart
6	General Linear Model - ANOVA	Andrew Stewart
7	General Linear Model - ANOVA	Andrew Stewart
8	General Linear Model - ANOVA	Andrew Stewart
9	Signal Detection Theory	Ellen Poliakoff
10	Signal Detection Theory	Ellen Poliakoff
11	Revision Session	Andrew Stewart

## **Semester 1 Assignments**

ANOVA – Due around the end of November

Signal Detection Analysis – Due around mid-January

# This Unit

- Everything we cover in this Unit will be taught following the principles of Open Science.
- All of the statistical analyses you do will be conducted using the R open source data science language.
- We will cover all of the core topics in Statistics for Psychology with an emphasis on reproducibility and transparency.
- You will learn how to produce reports in R Markdown - these reports contain your analysis code, your output and narrative describing what it all means.
- This Unit provides a foundation for the Workshops Unit next Semester where we will look at more advanced techniques with a focus on mixed effects models.