Workshop - Advanced R

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Today

- You're going to learn how to simulate 100s (or even 100,000s) of repeats of the same experiment to determine what pattern of *p*-values and effect size estimates you'll get (assuming there is a medium size effect to be found).

- We'll look at how to use loops to do this, and how to package a set of code that you might find yourself re-using as a function.

- We're also going to look at more advanced data visualisation tools including animated plots using the new `gganimate` package, visualisations of text data, sentiment analysis using `tidytext`, how to create BBC-style visualisations using `ggplot2` and the BBC R Cookbook, and how to use git for Version Control.