Part of doing better science involves knowing how to build appropriate statistical models, and how to understand what those models are telling you (and what they are not…)

Why Understanding Statistics Matters…

- Imagine a test in which 95% of people without a medical condition will be correctly diagnosed as not having it (specificity = 0.95).

- Imagine the test is able to correctly diagnose 4 out of the 5 people who **do** have the medical condition (sensitivity = 0.8).

- Imagine the prevalence of the medical condition in the population is 1%.

From Colquhoun, D. (2014). An investigation of the false discovery rate and the misinterpretation of p-values. DOI: 10.1098/rsos.140216