

Last week...

- We learned about Open Science and how research in Psychology is changing as a result of the replication crisis across the biosciences.
- Good scientists can engage in questionable research practices (QRPs) without being aware of it...
- p-hacking, HARK-ing, low power, publication bias etc. have all contributed to the current crisis.
- Psychological Research is at the start of a renaissance period.

- We looked at the issue of Power and noted that under-powered experiments (with too few participants) can be misleading because:
 - They increase the probability of a Type II error (failing to detect an effect even though one is present).
 - Increase the probability of a Type I error (thinking we have an effect when we don't - this is often due to sampling error).
- We also looked at p -values and realised that p -values on their own tell us very little. We also need to know about *effect sizes*...