**Candidates for assessments – or indeed Masters thesis topics**

* More extensive simulation of something from class
* Replicate (part of) a published simulation you have read
* Replicate (some of) Stefan and Schonbrodt’s “a compendium of p-hacking strategies”
* Extend compendium to fraud
  + Condition switching
  + Participant duplication
  + Alternation of data (eg how few cells do you have to offset or by how much to get significance)
* What are plausible SDs for different types of scales, eg 5 point likert, 7 point, BDI, etc.
* Replicate “Why most of psychology is statistically unfalsifiable”
* Replicate Kopalle and Lehman
* Extend Kopalle and Lehman to what we would have liked them to do, eg alpha based dropping
* Other assumptions of tests to test
* t-test: Continuous data (**ordered, bounded**), normal distribution (skewed, **bounded**), random sampling (**preselection eg regression to the mean**)
* FPR of a given common analytic strategy for a given task or specific type of analytic flexibility
  + E.g., like the IRAP RM-ANOVA simulation. Laken’s etc have power analyses for many types of ANOVA, but what about false positive rates?
  + Pre-selection of covariates in regression based on bad and flexible rules
    - Gets into causal modelling, too complex
* The influence of rounding on tests applied to extracted values, eg meta analyses calculated from summary stats, or p values calculated from test stats.
* Other ideas you come up with - but run them by me for feasibility.