

SUPPLEMENTAL FILES

APPENDIX 1 TO 3

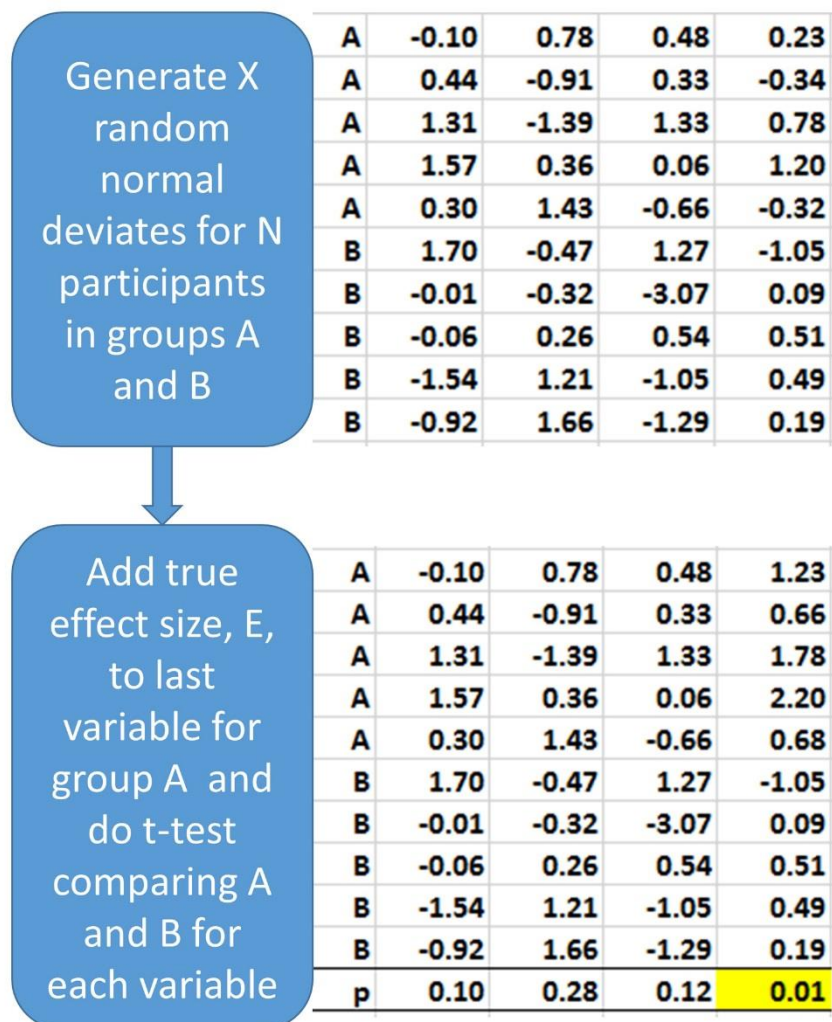
Problems in using p-curve analysis and text-mining to detect rate of p-hacking and evidential value

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Appendix 1

Figure A1: Schematic illustrating simulation of data by the Ghostpack program, with effect size = 1.



Appendix 2: Plots from Ghostphack to complement Figure 2.

Figure A2: Simulation as for Figure 2, but with no Ghostphacking. Note that amount of covariance between variables has no effect in this situation and so all curves for a given N are superimposed.

No p-hacking

True effect size = 0

True effect size = .3

Correlation — 0 — 0.5 — 0.8

N — 20 — 200

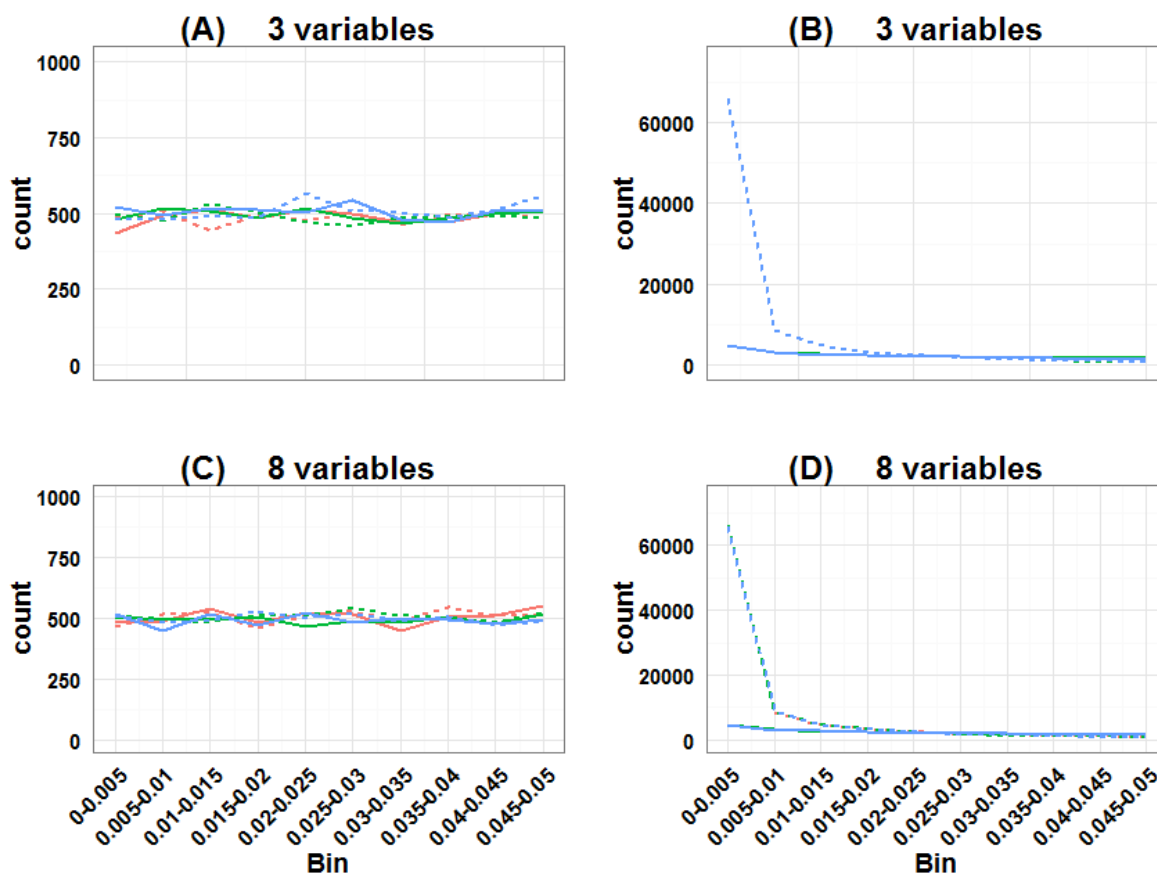


Figure A3: Simulation as for Figure 2, with y-axis as percentage of all p-values, rather than frequency

Ghost p-hacked

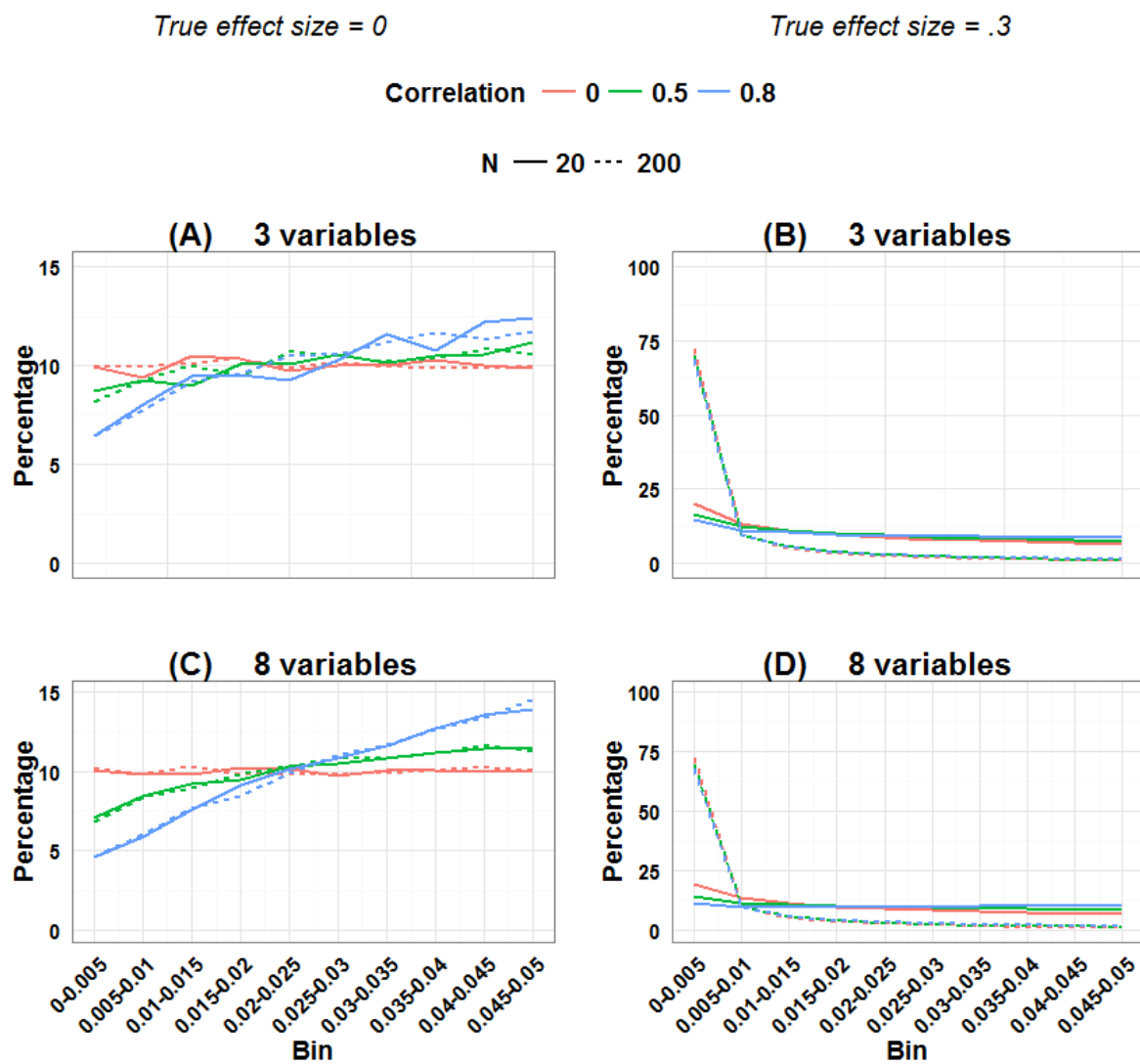


Figure A4: Simulation as for Plot A2, with y-axis as percentage of all p-values, rather than frequency

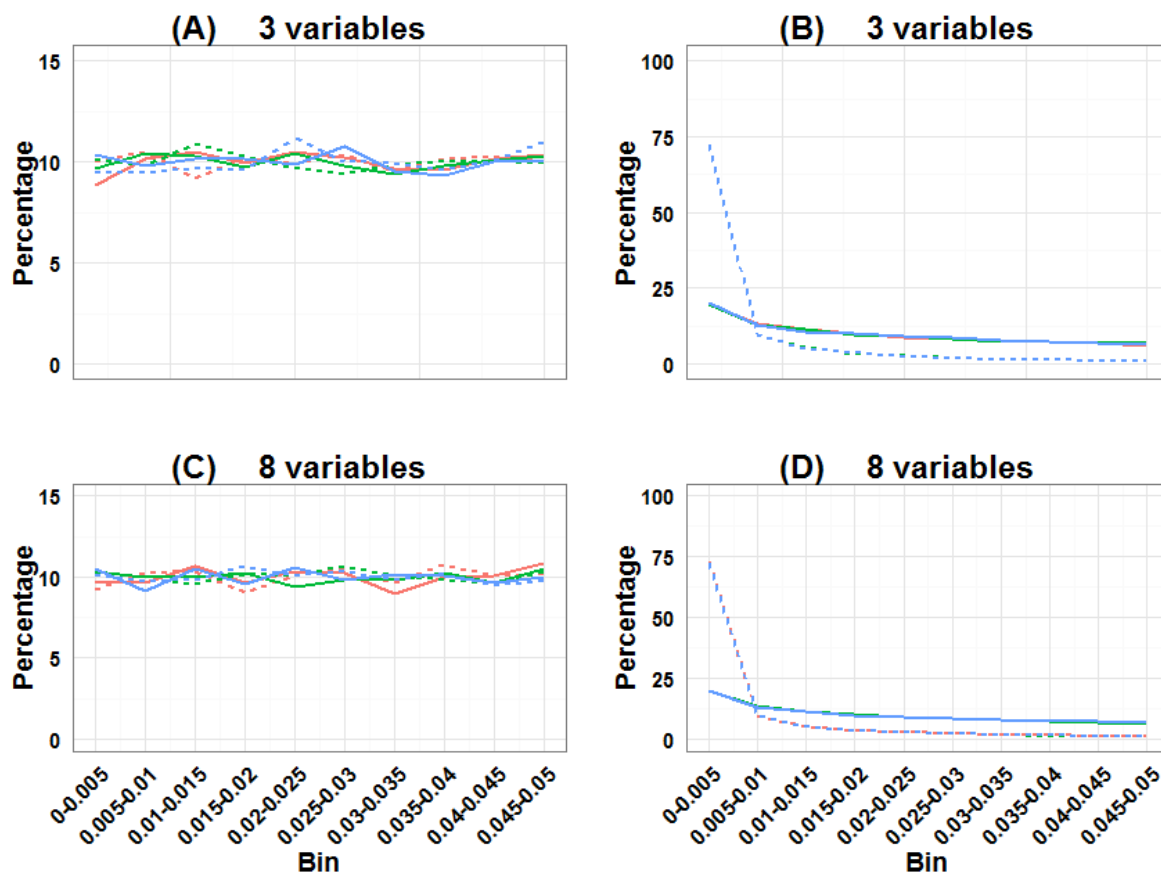
No p-hacking

True effect size = 0

True effect size = .3

Correlation — 0 — 0.5 — 0.8

N — 20 --- 200



Appendix 3

DOIs of 30 psychology papers included in the Head et al. 2015 analysis that were scrutinised for qualitative analysis of p-values.

Code	first.doi
1	10.1186/1744-859X-12-15
2	10.3758/s13414-010-0033-2
3	10.1186/1744-9081-1-22
4	10.1186/1744-9081-4-36
5	10.1186/1744-9081-3-40
6	10.1186/1744-9081-5-30
7	10.1186/1744-9081-5-16
8	10.1186/1744-9081-6-7
9	10.1186/1744-9081-7-18
10	10.1186/1744-9081-10-10
11	10.1186/2045-5380-2-22
12	10.1111/j.1467-7687.2007.00620.x
13	10.1037/a0016305
14	10.3389/fpsyg.2012.00023
15	10.3389/fpsyg.2012.00533
16	10.3389/fpsyg.2012.00352
17	10.3389/fpsyg.2013.00942
18	10.3389/fpsyg.2013.00015
19	10.3389/fpsyg.2013.00452
20	10.3389/fpsyg.2012.00081
21	10.3389/fpsyg.2014.00276
22	10.3389/fpsyg.2014.00367
23	10.3389/fpsyg.2014.00170
24	10.3389/fpsyg.2014.00430
25	10.3389/fpsyg.2011.00319
26	10.3389/fpsyg.2013.00110
27	10.1016/j.jesp.2013.05.008
28	10.1186/1747-597X-8-20

29 10.1186/1747-597X-9-13

30 10.1186/1747-597X-1-27