

Fishers method tables and plots

Katie Fitzgerald

1/15/2019

Table 1: RPE- Power of Fisher's method given large sample sizes for varying δ and true # of non-null effects (i.e. "Best-case scenario")

# of false negatives	$\delta = 0.2$	$\delta = 0.5$	$\delta = 0.8$
1	0.0946	0.1873	0.2029
2	0.1520	0.4430	0.5192
3	0.2020	0.6824	0.8294
4	0.2538	0.8467	0.9630
5	0.3068	0.9361	0.9950
6	0.3610	0.9749	1.0000
7	0.3993	0.9894	1.0000

Table 2: RPP- Power of Fisher's method given large sample sizes for varying δ and true # of non-null effects (i.e. "Best-case scenario")

# of false negatives	$\delta = 0.2$	$\delta = 0.5$	$\delta = 0.8$
1	0.0819	0.0848	0.0920
2	0.1285	0.1382	0.1568
3	0.1846	0.2135	0.2484
4	0.2151	0.3044	0.3650
5	0.2511	0.4111	0.4936
6	0.2850	0.5191	0.6266
13	0.5159	0.9667	0.9969
19	0.6536	0.9989	1.0000
26	0.7709	1.0000	1.0000
32	0.8290	1.0000	1.0000
38	0.8672	1.0000	1.0000
45	0.9000	1.0000	1.0000
51	0.9148	1.0000	1.0000
58	0.9243	1.0000	1.0000
64	0.9297	1.0000	1.0000

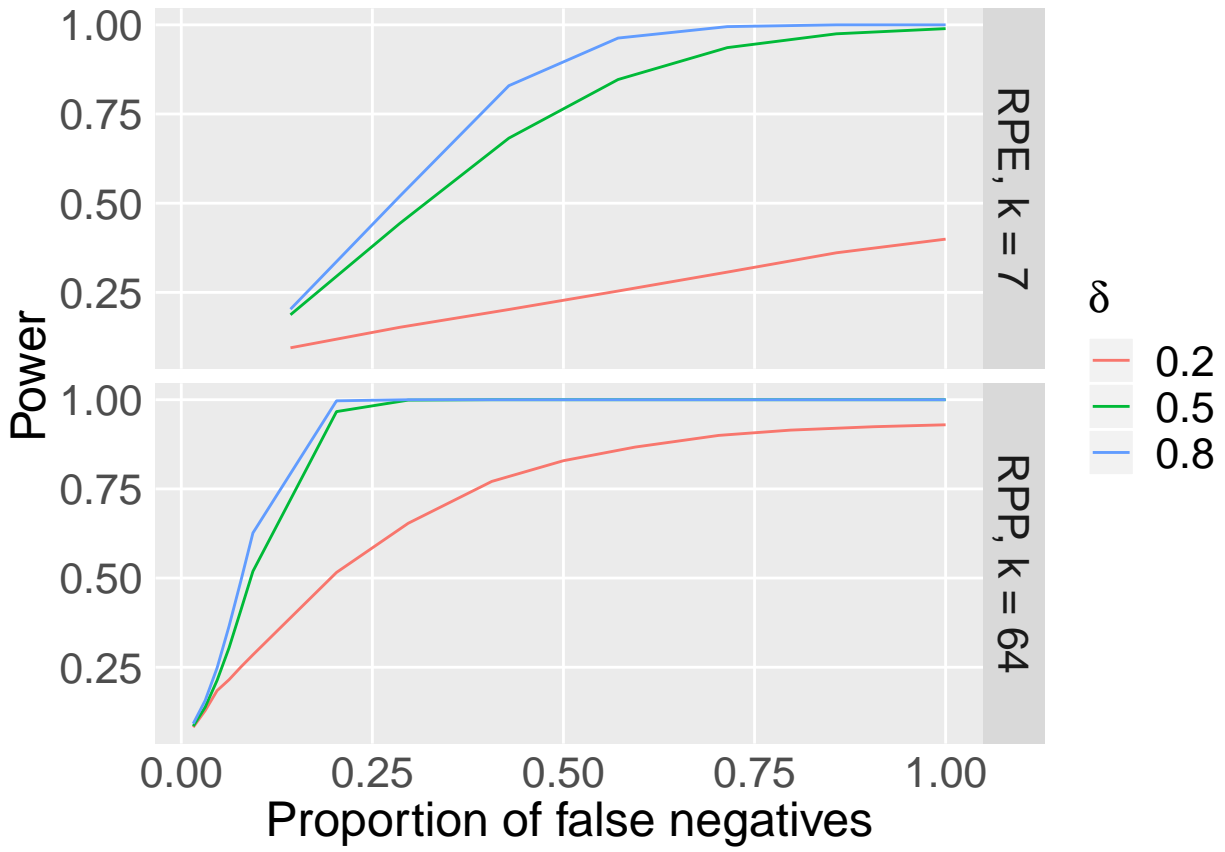


Figure 1: Power of Fisher's method, best-case scenario using RPE and RPP sample sizes

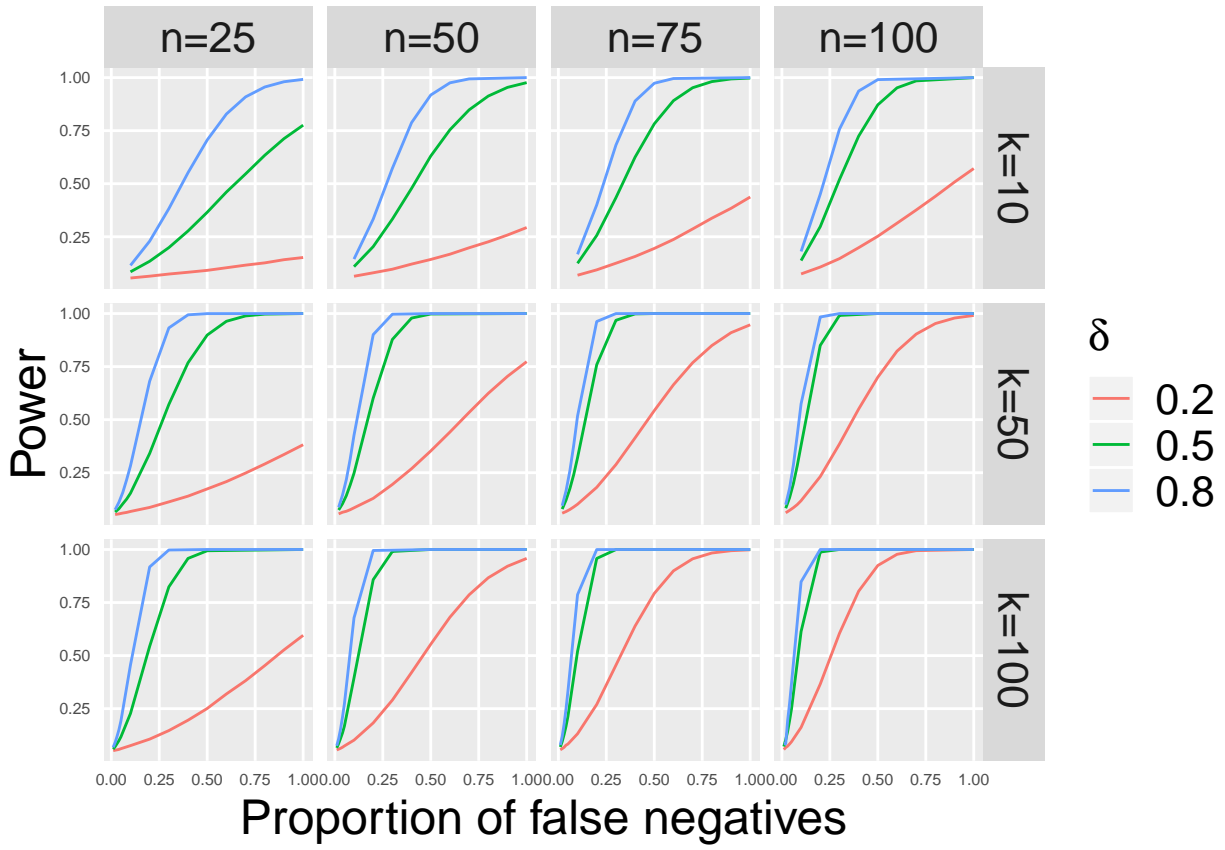


Figure 2: Power of Fisher's method, general case