

gpower_analysis_230915

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Table 1: Supplementary Table 1. Kappa

	k	percent_agreed	n_disagreed	n_total	n_categories
id	1.00	1.00	0	146	146
pmcid	1.00	1.00	0	146	146
protocol	0.65	0.97	5	146	2
include	0.72	0.98	3	146	2
participants	0.82	0.96	5	140	4
journal	0.73	0.74	37	140	142
pub_year	0.95	0.96	6	140	7
impact_factor	0.82	0.83	24	140	112
power_calc_type	0.68	0.84	23	140	10
multiple	0.78	0.89	15	140	3
version	0.95	0.98	2	92	3
version_text	0.99	0.99	1	92	13
power	0.92	0.99	1	92	3
power_text	0.90	0.94	5	85	13
alpha	0.84	0.97	3	92	3
alpha_text	1.00	1.00	0	80	4
sample_size	0.21	0.92	7	92	3
sample_size_text	0.88	0.88	10	82	70
effect_size_type	0.84	0.89	10	92	10
effect_size_value	0.80	0.93	6	92	3
effect_size_value_text	0.95	0.95	3	65	34
stat_test	0.70	0.85	14	92	7
reproducible	0.24	0.71	27	92	4
justification	0.48	0.61	36	92	15
just_previous	0.40	0.82	17	92	2
just_pilot	0.48	0.96	4	92	2
just_convention	0.75	0.90	9	92	2
just_mcid	0.39	0.97	3	92	2
just_none	0.56	0.78	20	92	2
just_ref	0.21	0.88	11	92	2
just_other	-0.02	0.96	4	92	2
mult_compare	0.24	0.66	31	92	4
anova_within_between	0.53	0.68	29	92	5
match	0.46	0.66	31	92	5
error	0.25	0.72	26	92	4

footnote to add

Table 2: Table 1. numer of...

	PubMed Central (95% CI)	PubMed (95% CI)
Any power calculation	21000 (20000 - 22000)	48000 (46000 - 49000)
Sample size calculation	14000 (13000 - 16000)	32000 (28000 - 36000)
ANOVA sample size calculation	4000 (2000 - 5000)	8000 (5000 - 11000)

The table is divided into articles that use G*Power for: any power calculation related to any statistical test (Any power calculation for any statistical test that solves for sample size (Sample size calculation), and a power calculation for an ANOVA sample size (ANOVA sample size calculation). The total number of articles in each database since 2017 is: PubMed Central 3,285

Table 3: Table 2. Types of calculations...

n	percentage (95% CI)
94	0.67 (0.59 - 0.74)
29	0.21 (0.15 - 0.28)
13	0.09 (0.05 - 0.15)
5	0.03 (0.01 - 0.07)
3	0.02 (0 - 0.05)
footnote to add	