|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Author(s) (year) | Included articles (years) | Target test and amalgamation / analysis method | Number of Articles | Number of Tests | Mean power | | | Median power | | | | SD of power estimates | | |  |
| Small | Medium | Large | | Small | Medium | Large | Small | Medium | Large | n Median |
| Ward (2002) | Journal of Consulting and Clinical Psychology, the Journal of Personality and Social Psycholog and the Journal of Abnormal Psychology (2000) | Mean power of statistical tests in each article | 157 | 2747 | 0.206 | 0.646 | 0.884 | | 0.139 | 0.663 | 0.962 | 0.194 | 0.253 | 0.152 |  |
| Dilullo (1998) | Articles examining the relationship between maths anxiety and performance in the Journal for Research in Mathematics Education for the years 1976-1995 | Power of all statistical tests |  | 81 |  | 0.81 |  | |  |  |  |  |  |  |  |
| Schweizer & Furley (2016) | International Journal of Sport Psychology, Journal of Applied Sport Psychology, Journal of Sport and Exercise Psychology, and Psychology of Sport and Exercise (2009-2013) | Power of correlational designs | 40 |  |  |  |  | | .31a | .85a | .99a |  |  |  | 221 |
|  | Power of quasi-experimental research design | 91 |  |  |  |  | | .16a | .49a | .98a |  |  |  | 91 |
|  | Power of experimental between-subjects design | 109 |  |  |  |  | | .15a | .49a | .98a |  |  |  | 84 |
|  | Power of experimental within-subjects design | 84 |  |  |  |  | | .14a | .42a | .96a |  |  |  | 45 |
|  | Power of experimental mixed design (within-subjects effect) | 45 |  |  |  |  | | .27a | .77a | .99a |  |  |  | 75 |
| Smith, Hardy & Gammell, (2011) | Animal Behaviour, 1996 | Power of first test in analysis section | 81 | 81 |  |  |  | | 0.076 | 0.232 |  |  |  |  |  |
|  | Animal Behaviour, 2003 | Power of first test in analysis section | 103 | 103 |  |  |  | | 0.077 | 0.255 |  |  |  |  |  |
|  | Animal Behaviour, 2009 | Power of first test in analysis section | 94 | 94 |  |  |  | | 0.074 | 0.239 |  |  |  |  |  |
| Arvey, Cole, Hazucha & Hartanto (1985) | non-random sample of 100 studies investigating the impact of sensitivity training (published before 1975) | Power of a t test at article's sample size | 51 | 51 |  |  |  | | <.5 | >.5 | >.5 |  |  |  | 43 |
| Gaskin, Cadeyrn & Happell (2014) | All articles in the top 10 5-year impact factor nursing journals published in 2011 | Mean power of all statistical tests in an article | 333 | 10,337 |  |  |  | | 0.4 | 0.98 | 1 |  |  |  |  |
| Woods, Rippeth, Conover, Carey, Parsons, & Troster (2006) | Studies Examining the Cognitive Effects of Subthalamic Nucleus Deep Brain Stimulation in Parkinson's Disease (1997-2004) | Power of a paired-samples t-test at article's sample size | 30 | 30 | 0.07 | 0.18 | 0.34 | | 0.06 | 0.13 | 0.25 | 0.02 | 0.13 | 0.23 | 14 |
| Kazantzis (2000) | Studies examining the relationship between homework effects and clinical depression (1980-1998) | Mean power of statistical tests in an article | 27 | 27 | 0.11 | 0.44 | 0.71 | | 0.09 | 0.37 | 0.76 | 0.07 | 0.28 | 0.27 | 34 |
| Gaskin & Happell (2013) | International Journal of Mental Health Nursing (2010-2011) | Power of t and f tests | 23 | 484 | 0.34 | 0.79 | 0.94 | |  |  |  | 0.23 | 0.24 | 0.13 |  |
| Whittington, Podd, & Kan (2000) | Studies comparing people with Parkinson's disease to healthy controls on memory function (1978-1997) | Power of all t and f tests (unclear how they were grouped) | 46 | unclear | 0.2 | 0.63 | 0.85 | | 0.16 | 0.67 | 0.94 | 0.12 | 0.24 | 0.19 |  |

Small medium and large benchmarks are as in Cohen (1988; small Cohen’s *d* of 0.2, medium a Cohen’s *d* of 0.5 and large a Cohen’s *d* of 0.8) apart from those marked with a where small, medium and large benchmarks align with a Cohen’s d of 0.2, 0.41 and 0.87 respectively.