**Converting almost everything to**

**Cohen’s *d***

# T-Tests

|  |  |  |
| --- | --- | --- |
| **Independent T-Test** |  | **One-Samples & Paired Samples T-Test** |
| **Unequal Group Size:**      **Equal Group Size:** |  |

# F-Tests

|  |  |  |
| --- | --- | --- |
| **F-Tests when MSEs are reported** |  | **F-Tests when MSEs are not reported** |
| Can only be used for F-tests that have no more than two conditions, i.e. “F(1, df2)=…” | Can only be used for F-tests that have no more than two conditions, i.e. “F(1, df2)=…”    If both groups are equal in size: |

See also:

Thalheimer, W., & Cook, S. (2002, August). How to calculate effect sizes from published research articles: A simplified methodology.

http://www.bwgriffin.com/gsu/courses/edur9131/content/Effect\_Sizes\_pdf5.pdf

# Other Effect Sizes

|  |  |  |
| --- | --- | --- |
| **r: paired samples & repeated measure** |  | **r: two independent groups** |
| √1 − 𝑟2 | **Unequal Group Size:**      **Equal Group Size:**  𝟐𝒓  𝒅 =  √𝟏 − 𝒓𝟐    p1 = proportion of participants in group 1 p2 = proportion of participants in group 2    see also Furr (2008): bit.ly/2a6ceWX |

|  |  |  |
| --- | --- | --- |
| **Hedge’s *g*:**  **paired samples & repeated measure & independent groups** |  | ***η² to d*** |
|  | η² = R2  √𝑅2 = r |

|  |  |  |
| --- | --- | --- |
| ***f to d*** |  | **Odds Ratio** |
| 𝑑 = 2𝑓 | See bit.ly/2ao4ygQ for more information |

**Online Calculators that do all the work for you:**

* Psychometrica: <http://www.psychometrica.de/effect_size.html>
* Stat-Help.com: [www.stat-help.com/spreadsheets/Converting%20effect%20sizes%20201206-19.xls](http://www.stat-help.com/spreadsheets/Converting%20effect%20sizes%202012-06-19.xls)
* University of Colorado, Colorado Springs: <http://www.uccs.edu/~lbecker/>