

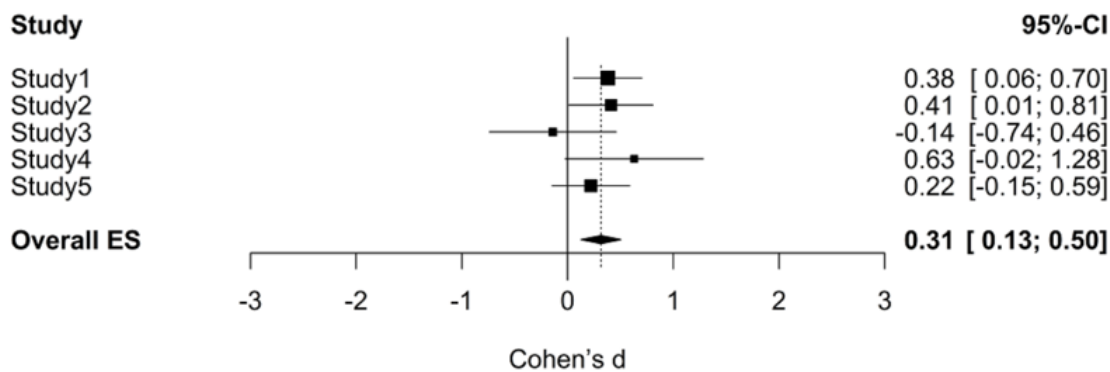
Chapter 8: Exercises

- 1) What is the most important thing you have learnt from this book? Write this down in the space below.

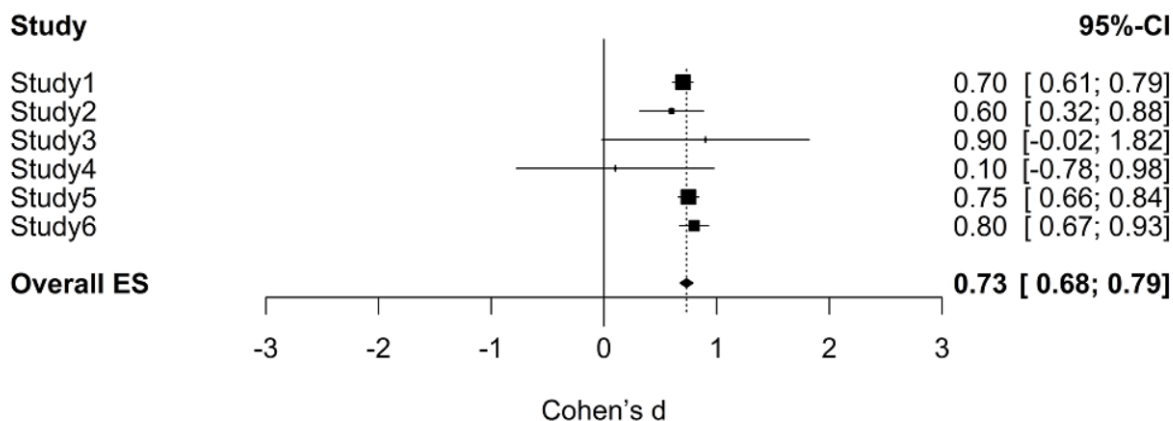
- 2) Provide transformations of the following effect size measures:

Input	Output (transformation)
$r = 0.9$	Cohen's $d =$
Cohen's $d = 1.3$	$r =$
$\eta^2 = 0.05$	Cohen's $d =$
$\ln(\text{OR}) = 0.2$	Cohen's $d =$
$t = 2; n_1 = 100; n_2 = 100$	Cohen's $d =$
$F = 10; n_1 = 100; n_2 = 100$	Cohen's $d =$

- 3) Interpret the following forest plots.

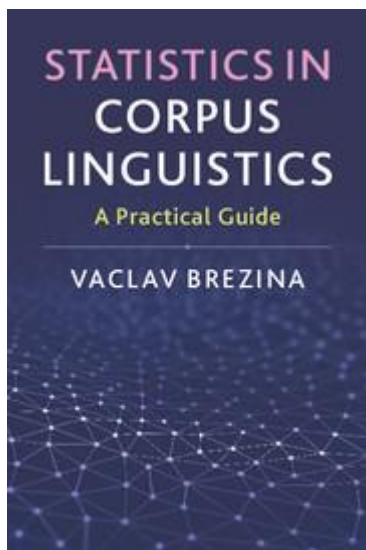


Forrest plot: example 1



Forrest plot: example 2

- 4) Select a research question and carry out a meta-analysis based on studies in corpus linguistics and/or related disciplines (psychology, sociology etc.)



Brezina, V. (2018). [Statistics in Corpus Linguistics: A Practical Guide](#). Cambridge: Cambridge University Press.

Do you use language corpora in your research or study, but find that you struggle with statistics? This practical introduction will equip you to understand the key principles of statistical thinking and apply these concepts to your own research, without the need for prior statistical knowledge. The book gives step-by-step guidance through the process of statistical analysis and provides multiple examples of how statistical techniques can be used to analyse and visualise linguistic data. It also includes a useful selection of discussion questions and exercises which you can use to check your understanding.

The book comes with a Companion website, which provides additional materials (answers to exercises, datasets, advanced materials, teaching slides etc.) and [Lancaster Stats Tools online](#), a free click-and-analyse statistical tool for easy calculation of the statistical measures discussed in the book.