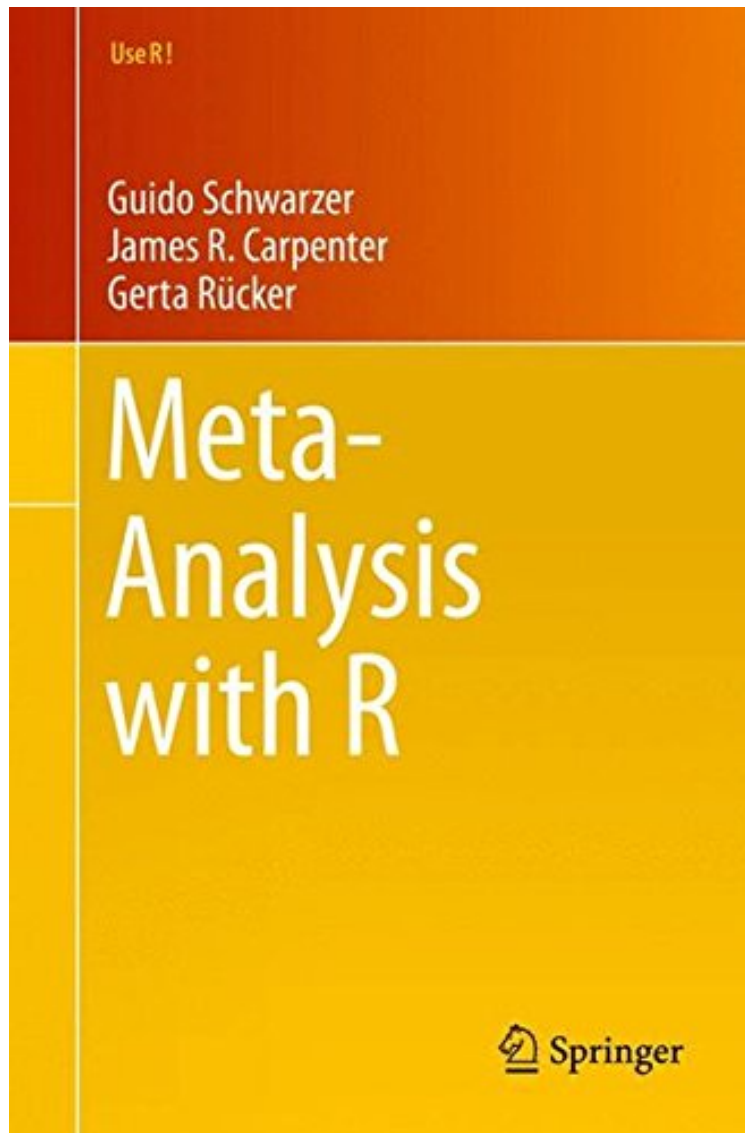


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## Meta-Analysis with R (Use R!)

*Guido Schwarzer, James R. Carpenter, Gerta Rcker  
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**Guido Schwarzer, James R. Carpenter, Gerta Rcker : Meta-Analysis with R (Use R!)** before purchasing it in order to gage whether or not it would be worth my time, and all praised Meta-Analysis with R (Use R!):

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clinician this book has been absolutely useful to perform a full meta-analysis. The first part introduces the reader to R. The second part cover the standards methods for met-analysis (continuous, binary outcomes) and the third part includes small-study meta-analysis, dealing with missing data, multivariate and network meta-analysis, and diagnostic meta-analysis. No information about graphical representation of results is included. Recommended for anyone interested in perform a meta-analysis with the meta package or manually. Also of interest is the metafor package. UPDATED Dec 2016. After having read it and use a lot, I found this book practical to start and do a meta-analysis. Still I miss some information about how to report (graph and personalized tables), but overall I found every day more useful. One star +.1 of 1 people found the following review helpful. A must have for data scientists running meta-analytics in R By dayj3297 If you are a data scientist running meta-analytics in R, this is an absolute must have. Another must have is Applied Meta-Analysis with R by Ding-Geng Chen and Karl Peace. Both are excellent texts that are essential for this kind of work. 0 of 1 people found the following review helpful. Came with perfectly packed By AmyCame with described, perfectly packed and brand new !

This book provides a comprehensive introduction to performing meta-analysis using the statistical software R. It is intended for quantitative researchers and students in the medical and social sciences who wish to learn how to perform meta-analysis with R. As such, the book introduces the key concepts and models used in meta-analysis. It also includes chapters on the following advanced topics: publication bias and small study effects; missing data; multivariate meta-analysis, network meta-analysis; and meta-analysis of diagnostic studies.

A special feature of the book is the focus on comprehensively described examples. For all these examples, the datasets are provided on the book-related website, which allows readers to reproduce and check the R code while working on the book. It can be warmly recommended to all practical researchers who are involved in performing metaanalysis in R as well as to statisticians who seek a book that gives an overview on metaanalytic methods and their implementations in R. (Annika Hoyer, *Biometrical Journal*, Vol. 59 (1), 2017) In *Meta-Analysis with R*, Schwarzer, Carpenter, and Rcker present the tools and techniques for doing meta-analyses in R. The collection of working examples throughout the book is its best feature. Fully worked code examples are provided for almost every problem. The book is a great introduction to performing meta-analysis in R. (James P. Howard II, *Journal of Statistical Software*, Vol. 70, April, 2016) The book concludes with an appendix containing information on how to install R, how to import data (either from text files or from RevMan5) and an overview of R packages for meta analysis. The style of the book, numerous example and references adjacent to each chapter make it suitable (and very useful) to both undergraduates and postgraduates with either a computing or biological background. (Irina Ioana Mohorianu, *zbMATH* 1333.92002, 2016) From the Back Cover This book provides a comprehensive introduction to performing meta-analysis using the statistical software R. It is intended for quantitative researchers and students in the medical and social sciences who wish to learn how to perform meta-analysis with R. As such, the book introduces the key concepts and models used in meta-analysis. It also includes chapters on the following advanced topics: publication bias and small study effects; missing data; multivariate meta-analysis, network meta-analysis; and meta-analysis of diagnostic studies. About the Author Guido Schwarzer is a senior statistician and head of IT at the Institute for Medical Biometry and Statistics at the Medical Center - University of Freiburg, Germany. He is an established researcher in the area of meta-analysis and lead statistician of several Cochrane reviews. His special interests are in small-study effects in meta-analysis and statistical computing. Guido Schwarzer is an author of the R packages meta, metasens, and netmeta. James Carpenter studied mathematics at Warwick University and statistics at Oxford University. His principal interests are coping with missing data in complex hierarchical models, sensitivity analysis and meta-analysis, with applications to medical and social data. The collaboration that led to this book began during a sabbatical at Freiburg in 2005. James Carpenter is Professor of Medical Statistics at the London School of Hygiene and Tropical Medicine, and Programme Leader in Methodology at the MRC Clinical Trials Unit, London. Gerta Rcker is a mathematician, working at the Institute for Medical Biometry and Statistics at the Medical Center - University of Freiburg, Germany. After having published in chemical graph theory for a number of years, she started working in biostatistics, particularly meta-analysis. Her principal interests are small-study effects and heterogeneity in meta-analysis, meta-analysis of diagnostic accuracy studies and application of graph theory in network meta-analysis. She has published a large number of methodological research papers, co-authored a number of Cochrane reviews and is an author of the R package netmeta.