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This book is built with bookdown by Yihui Xie and the R Markdown community. The wider R ecosystem — base R, the tidyverse, and the many domain-specific packages cited in the body — is the foundation on which every chapter rests.

The original lab and tutorial material that inspired this volume was authored under the `CTTIR/courses` and `CTTIR/tutorials` repositories. Those repositories are credited in the Preface and at the points of use.

The decision-tree wizard hosted at `cttir.github.io/tutorials/decision-tree/` draws structural inspiration from the University of Zurich's *Methodenberatung* (methodenberatung.uzh.ch).

Drafting assistance from Anthropic's Claude was used during preparation; all editorial decisions, errors, and omissions remain the author's.

Inspiration

The structural and pedagogical model for this book draws heavily on Mathias Harrer, Pim Cuijpers, Toshi A. Furukawa, and David D. Ebert's *Doing Meta-Analysis with R: A Hands-On Guide* — both the book and its open-source repository at https://github.com/MathiasHarrer/Doing-Meta-Analysis-in-R. Their thorough, transparent, and beautifully laid-out bookdown setup — sidebar grouping, semantic callout boxes, the citation block, the dark/light toggle, MathJax-rendered formulas, downloadable BibTeX/RIS citations — set a clear standard for what a reproducible R-based research book can look like. Where the present book mirrors their conventions, it does so deliberately and gratefully. Where it diverges (colors, typography, individual icons), the divergence is cosmetic; the underlying craft is theirs to credit.

Use of LLM tools

Portions of this book were prepared with assistance from large language model tooling for narrowly defined, non-authorial tasks: copyediting, prose smoothing, Markdown/LaTeX formatting, scaffolding of boilerplate files (CI configs, build scripts), code refactoring. The tools used were Chat AI, the LLM service of KISSKI (GWDG), and a self-hosted **Mistral Small (24B, Apache-2.0)** run locally via Ollama and the `ollamar` R package — local inference only, with no data sent to third parties for the self-hosted model.

All scientific claims, methodological choices, analyses, interpretations, and conclusions are the author's own. No LLM-generated text was incorporated without review and revision, and every reference was verified against its DOI, arXiv ID, or ISBN.