***Relevant literature for exam preparation (M.Sc. Psychologie – Module 1: Research Methods) – Status: SoSe 2022***

**Please bring a calculator to the exam!**

**StO from 2021:**

For the examination of submodule 1 (TM1: Research Methods) of the module Research Methods and Evaluation, comprehensive knowledge of multivariate statistical analysis methods is required (see Contents Multivariate Analysis Methods I and II, TM1a & TM1b)

In addition, profound knowledge in one of the following topic areas for which seminars were offered (see contents of the research methods seminars, TM1c), is expected. The topic area can be chosen freely, regardless of the seminar you attended. In 2022 the following topics were offered:

- Latent Growth Curve Modeling. Structural Equation and Multilevel Modeling Approaches
- Meta-Analysis

Note: Attendance of the seminars Multivariate Analysis Methods I and II as well as attendance of an advanced seminar is required for participation in the written exam.

**Literature:**

**1) Multivariate Statistics I and II (Multivariate Methoden I und II, TM 1a & TM 1b; M.Sc. Psychologie, StO 2021)**

The following textbooks or texts are recommended (note that additional supplemental reading lists are available in the lecture notes on Learnweb):

Flora, D. B. (2017). Statistical methods for the social and behavioral sciences: A model-based approach. Sage.

**2) Advanced seminars – Research Methods (Vertiefung Forschungsmethoden, TM1c; M.Sc. Psychologie, StO 2021)**

Summer semester 2022:

**Latent Growth Curve Modeling. Structural Equation and Multilevel Modeling Approaches**

- Grimm, K. J., Ram, N., & Estabrook, R. (2016). Growth modeling: Structural equation and multilevel modeling approaches. Guilford Publications.

**Meta-Analysis**


Borenstein, M., Hedges, L. V., Higgins, J. P., & Rothstein, H. R. (2009). *Introduction to meta-analysis*. John Wiley & Sons.

Döring, N., & Bortz, J. (2016). Forschungsmethoden und -evaluation. *Wiesbaden: Springerverlag*.

Harrer, M., Cuijpers, P., Furukawa, T. A., & Ebert, D. D. (2021). *Doing meta-analysis with R: a hands-on guide*. Chapman and Hall/CRC. Available from: https://bookdown.org/MathiasHarrer/Doing_Meta_Analysis_in_R/

Hunter, J. E., & Schmidt, F. L. (2004). *Methods of meta-analysis: Correcting error and bias in research findings*. Sage.

Morris, S. B. (2008). Estimating effect sizes from pretest-posttest-control group designs. *Organizational research methods*, *11*(2), 364-386.

Veroniki, A.A., Jackson, D., Viechtbauer, W., Bender, R., Bowden, J., Knapp, G., et al. (2016). Methods to estimate the between-study variance and its uncertainty in meta-analysis. *Res Synth Methods*, *7*(1), 55-79. Available from: https://doi.org/10.1002/jrsm.1164.