1. **General Methodology**

A.1. Methods of data collection and type of inference (designed experiments and observational studies, the role of randomization, how do we know that smoking is harmful, data and evidence, Berkeley graduate school admissions, death penalty in Florida)

Peter J. Bickel, Eugene A. Hammel, J. W. O'Connell (1975): „Sex Bias in Graduate Admissions: Data from Berkeley”. Science 187 (4175): pp. 398-404.

Alan Bryman: „Social Research Methods”. Oxford University Press 2015

Leslie Kish (1987): „Statistical Design for Research”. John Wiley & Sons, többször pl: Wiley Classics Library

Michael L. Radelet (1981): „Racial characteristics and the imposition of the death penalty”. American Sociological Review 46: pp. 918–927.

Richard L. Scheaffer, William Mendenhall, R. Lyman Ott: „Elementary Survey Sampling”. Wadsvorth 1990

A.2. Causal analysis (the importance of causality in science, naive causal analysis, matching, causality and manipulation (Pearl), propensity score (Rubin))

Judea Pearl: „Causality”. 2nd ed. Cambridge University Press 2009

Paul R. Rosenbaum, Donald B. Rubin (1983): "The Central Role of the Propensity Score in Observational Studies for Causal Effects". Biometrika 70: pp. 41–55.

Tamás Rudas (2010): „Informative Allocation and Consistent Treatment Selection”. Statistical Methodology, Special Issue on Statistics in the Social Sciences 7: pp. 323-337.

A.3. How to do science? (paradigmatic science, institutionalized science, operationalization, data and theory, science and prejudice, the role of scientific evidence, meta-analysis, science and policy making)

Douglas G. Altman, Martin Bland (1995): "Absence of evidence is not evidence of absence". British Medical Journal 311 (7003): pp. 485.

Alan Bryman: „Social Research Methods”. Oxford University Press 2015

Gerd Gigerenzer: „Mindless statistics”. The Journal of Socio-Economics 33 (2004): pp. 587–606.

**B. Quantitative Methodology**

B.1. Data sources (census, survey, microcensus, administrative data, registers, data archives, data fusion, regular international surveys, data collection and secondary analysis)

Robert M. Groves, Floyd J. Fowler (2007) „Survey Methodology”. Wiley

B.2. Effects and interactions (additive and multiplicative effects, independence, the possibility of joint effects, data generating mechanisms and statistical analysis, modeling of effects)

 Alan Agresti (2010) Categorical Data Analysis. Wiley.

Tamás Rudas (2015) Effects and interactions. *Methodology,* 11, 142-149.

B.3. Regression and non-regression type research problems (levels of measurement, research questions and levels of measurement, continuous and categorical data, explanation and prediction, normality, linear model, path model for discrete and continuous data)

Tom A. B. Snijders, Roel J. Bosker: „Multilevel Analysis: An introduction to basic and advanced multilevel modeling”. Sage Publications 2004

Jacques Tacq: „Multivariate analysis techniques in social science research: from problem to analysis.” Sage Publicatoins 1998

B.4. Fundamental methods of the analysis of social stratification (the measurement of inequality, the definition of social strata, effects and interactions, status attainment models, social networks)

David Gursky (ed): „Social Stratification”, 4th ed., Westview Press 2014

B.5. International comparative research (operationalization, questionnaire design, sampling and weighting, spatial and cultural effects, multilevel analysis)

Tom A. B. Snijders, Roel J. Bosker: „Multilevel Analysis: An introduction to basic and advanced multilevel modeling”. Sage Publications 2004

Linda Hantrais „International Comparative Research: Theory, Methods and Practice”. Palgrave MacMIllan 2009

C**. Qualitative Methodology**

C.1. The main methods of qualitative data collection and analysis (focus groups, interviews, participatory observation, case study, document analysis, discourse analysis)

Alan Bryman: „Social Research Methods”. Oxford University Press 2015

C.2. Mixed qualitative-quantitative methods (qualitative methods as preparation to quantitative analysis, text analysis, purposive sampling)

Alan Bryman: „Social Research Methods”. Oxford University Press 2015

C.3. Cultural narratives

Chris Weedon: „Identity and Culture: Narratives of Difference and Belonging”. McGraw-Hill, 2004

C.4. Value-free and value-centered social science

 Martyn Hammersley: „On the values in social research: Weber vindicated?” Sociological Research Online 22 (1), 7