Applied econometric analysis of stated choice data (MA and MAGKS course)

Lecturer:

Prof. Dr. Andreas Ziegler
Unit Empirical Economic Research
Nora-Platiel-Str. 4, 34109 Kassel

Planned schedule:

First part (March 25 - March 27, March 30 - March 31, 2026)
Room 0210, Nora-Platiel-Straße 6, 34109 Kassel

March 25 (in presence)

Introduction to Stata (Haverkamp)	10:00-12:00 h
Lecture and applications with Stata (Ziegler)	13:00-18:00 h

March 26 (in presence)

Lecture and applications with Stata (Ziegler), Tutorial with Stata (Haverkamp)	10:00-18:00 h

March 27 (in presence)

Lecture and applications with Stata (Ziegler), Tutorial with Stata (Haverkamp)	10:00-17:00 h

March 30 (online)

Lecture and applications with Stata (Ziegler), Tutorial with Stata (Haverkamp)	10:00-18:00 h

March 31 (online)

Lecture and applications with Stata (Ziegler), Tutorial with Stata (Haverkamp)	10:00-12:00 h
Tutorial with Stata (Haverkamp)	13:00-18:00 h

Second part (July 15 - July 17, 2026)
Room 2215, Nora-Platiel-Straße 4, 34109 Kassel

Lecture slides:

In the open-moodle course "[Applied econometric analysis of stated choice data 2026](#)"

Prerequisite for attending the course:

Deep knowledge of microeconometric models and methods

Requirements for earning 6 ECTS credits:

- For master students in Kassel: Successful attendance of an econometric master course
- Attendance and active participation throughout both parts of the course
- Writing of a seminar paper (about ten pages plus tables) and oral presentation in the second part of the course

Outline:

1. Introduction to multinomial discrete choice models
     1.1 Background
     1.2 General model structure
     1.3 Maximum Likelihood estimation
     1.4 Statistical testing
     1.5 Multinomial logit models
     1.6 Applications

2. Flexible multinomial discrete choice models
     2.1 Background
     2.2 Multinomial probit models
     2.3 Mixed logit models
     2.4 Latent class logit models
     2.5 Applications

3. Stated choice analyses
     3.1 Stated and revealed preferences
     3.2 Design of stated choice experiments
     3.3 Examples
     3.4 Econometric analysis
     3.5 Applications

Literature:

- Greene, W.H. (2012), *Econometric analysis*, 7th Edition, Pearson Education
- Greene, W.H. and D.A. Hensher (2003), A latent class model for discrete choice analysis: Contrasts with mixed logit, *Transportation Research Part B* 37, 681-698
- Gutsche, G. and A. Ziegler (2019), Which private investors are willing to pay for sustainable investments? Empirical evidence from stated choice experiments, *Journal of Banking and Finance 102*, 193-214
- Hensher, D.A. and W.H. Greene (2003), The mixed logit model: The state of praxis, *Transportation* 30 (2), 133-176
- Hensher, D.A., J.M. Rose, and W.H. Greene (2005), *Applied choice analysis: A primer*, Cambridge.
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- Louviere, J.J., D.A. Hensher, and J.D. Swait (2010), *Stated choice methods – Analysis and application*, 7th printing, Cambridge
- Mariel, P., D. Hoyos, J. Meyerhoff, M. Czajkowski, T. Dekker, K. Glenk, J.J. Jacobsen, U. Liebe, S.B. Olsen, J. Sagebiel, and M. Thiene (2021), *Environmental valuation with discrete choice experiments: Guidance on design, implementation and data analysis*, Springer Nature
- Pacifico, D. and H. Yoo, H. (2013), lclogit: A Stata command for fitting latent-class conditional logit models via the expectation-maximization algorithm, *The Stata Journal* 13 (3), 625-639
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- Winkelmann, R. and S. Boes (2009), *Analysis of microdata*, 2nd Edition, Springer, Berlin, Heidelberg
- Ziegler, A. (2012), Individual characteristics and stated preferences for alternative energy sources and propulsion technologies in vehicles: A discrete choice analysis for Germany, *Transportation Research Part A* 46 (8), 1372-1385