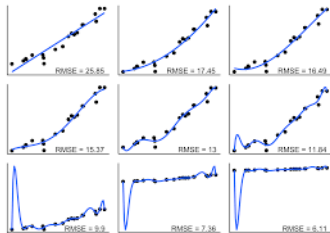




Model Comparison Seminar in the Summer-Semester 2026

Model Comparison



- Comparing statistical models from both frequentist and Bayesian perspectives
- Statistical tests
- Information criteria
- Bayes factors

Modalities

- Seminar in English for BSc. and MSc.
- Block Seminar at the end of the semester
- Requirements: Linear Models (or equivalent)

- Examination:
 - 1 Presentation (weighted 50%)
 - 2 Report (weighted 50%)
 - 3 Discussion of other presentations (not graded)

- Seminar-Structure:
 - Selection of topics during the semester
 - Block of two weeks towards the end of the semester
 - Week 1:
 - Plenary input sessions
 - Preparation of presentations
 - Week 2:
 - Presentations and feedback
 - Work on the reports
 - Deadline for handing in the reports a few weeks later

Seminar on Model Comparison

study program	Module can be credited for
B.Sc. Statistics	<u>BS 12</u>
M.Sc. Statistics	<u>MS 4</u>
B.Sc. Data Science	<u>BD 14</u>
M.Sc. Data Science	<u>MD 4</u>
M.Sc. Econometrics	<u>ME 6/7</u>

General information	
Teacher	<i>Paul Bürkner and group</i>
Module requirements	<i>You need to know what a linear model is</i>
Place and Time	<i>Block seminar at the end of the semester</i>
Language	<i>english</i>
First date	<i>TBD</i>
Exam admission	<i>You only need to get a slot</i>
Type of examination	<i>Presentation + report</i>
ECTS points	<i>Seminar standard</i>

Binding registration until 25.02.2026 via the link in the mail from the dean's office