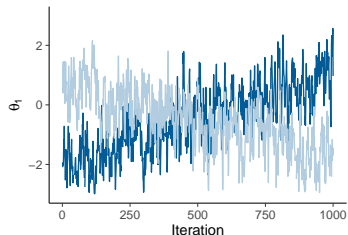




## Applied Bayesian Data Analysis Lecture in the Winter-Semester 23/24

## Applied Bayesian Data Analysis



- Distributions and Sampling
- Probabilistic programming with Stan
- Bayesian linear and non-linear models
- Model comparison
- Mixture models
- Prior specification
- (more)

## Modalities

- Lecture + Tutorial in English for BSc. and MSc.
- 4 + 2 SWS; 9 ECTS
- Requirements: Linear Models
- Lecture time (1): Tue 10-12, M/E 21
- Lecture time (2): TBD soon
- Tutorial time: TBD soon
- We will attempt to record both lectures and tutorials
  
- Examination (Project at the end of the semester):
  - 1 Presentation (weighted 50%)
  - 2 Report (weighted 50%)
  - 3 Discussion of other presentations (not graded)