

Nouhaila Innan

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Introduction to Bayesian Data Analysis

Teaching Team: Prof. Dr. Shravan Vasishth, Dr. Anna Laurinavichyute

Duration:	25.01.2023 - 13.03.2023
Language:	English
Teaching form:	Online Course

Course Topics:

- Fundamental properties of random variables and probability distributions
- Application of Bayes' rule in data analysis
- Computational Bayesian data analysis
- Visualization and interpretation of prior and posterior distributions
- Bayesian regression and hierarchical models
- Bayesian regression models using brms (a front-end for Stan)

Potsdam, March 5, 2023

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