

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	Exam:	2 hours, 12 questions
Language:	English		(multiple choice)
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)

Result:

74.3 out of 120.0 possible points (61.9%)



Prof. Dr. Christoph Meinel
openHPI Director



Prof. Dr. Shravan Vasishth
Course Guidance



Dr. Anna Laurinavichyute
Course Guidance



Potsdam, March 5, 2023

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