

# A GENTLE INTRODUCTION TO BAYESIAN STATISTICS

*lecture and workshop on 14./15. October 2021 given by David Kaplan*

Bayesian statistics offers innovative, flexible, and creative ways of modeling data. This allows students and researchers in the social and behavioral sciences to access and engage with their own topics of inquiry in new ways. The lecture by David Kaplan, on October 14, 2021, is aimed at a broad, interested audience and introduces the ideas and thinking behind Bayesian statistics. The workshop on the following day will complement and deepen the content of the lecture, especially with regard to possible applications.

David Kaplan, PhD, is Patricia Busk Professor of Quantitative Methods in the Department of Education Psychology at the University of Wisconsin, Madison (USA). He received his PhD from the University of California (UCLA) in 1987. As a renowned statistics expert, he is involved in the OECD's PISA studies and serves in an advisory capacity there as well as in other renowned organizations. In 2015, Dr. Kaplan received the Alexander von Humboldt Research Award and worked at the Leibniz Institute for Educational Research and Information in Frankfurt from 2015-2016. Currently, Dr. Kaplan is a Max Kade Visiting Professor at the University of Heidelberg and a research associate at the Leibniz Institute for Educational Pathways in Bamberg. Previously, he was Johann von Spix Visiting Professor at the University of Bamberg.

Dr. Kaplan's current program of research focuses on the development of Bayesian methods. In his book "Bayesian Statistics for the Social Sciences" he provides readers with the concepts and practical skills they need to apply Bayesian methodologies to their data analysis problems.

**Please register by Thursday, 30. September 2021 at [hiwi.leuze@uni-jena.de](mailto:hiwi.leuze@uni-jena.de) if you would like to attend the lecture and workshop on site.** (The lecture will also be streamed.) It is also possible to attend the lecture only. Please indicate whether you would like to participate in both events or only in the lecture. Please also note that mouth and nose protection must be worn on the premises of the FSU Jena, even during the events.



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**Institute of Sociology**

Department Methods of Empirical Social Research and  
Social Structure

# LECTURE

## A Gentle Introduction to Bayesian Statistics

Prof. David Kaplan

(Department of Educational Psychology,  
University of Wisconsin – Madison)

**date:** Thursday, 14 October 2021, 5 - 7 p. m.

**place:** Carl-Zeiß-Str. 3, seminar room 113

**free onlinestream:** [online.mmz.uni-jena.de](https://online.mmz.uni-jena.de)

Due to the limited number of participants on site, the lecture will also be streamed.  
Please register by Sept. 30, 2021 at [hiwi.leuze@uni-jena.de](mailto:hiwi.leuze@uni-jena.de) if you would like to take part  
in the lecture on site.



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# WORKSHOP

## AN INTRODUCTION TO BAYESIAN STATISTI- CAL INFERENCE

Prof. David Kaplan

(Department of Educational Psychology,  
University of Wisconsin – Madison)

**date:** Friday, 15. October 2021

**place:** Carl-Zeiß-Str. 3, seminar room 307

09:30–11:30 Uhr	Concepts of Bayesian statistics
11:30–12:30 Uhr	Lunch break
12:30–14.30 Uhr	Applied Bayesian statistics
14:30–15:00 Uhr	Coffee break
15:00–16:00 Uhr	Questions and discussion



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