STATISTICAL INFERENCE FOR EVERYONE

This is a new approach to an introductory statistical inference textbook, motivated by probability theory as logic. It is targeted to the typical "Statistics 101" college student, and covers the topics typically treated in such a course. This book walks through a simple introduction to probability, and then applies those principles to all problems of inference. Topics include hypothesis testing, data visualization, parameter inference, and model comparison. It is freely available under the Creative Commons License, and includes a software library in Python for making calculations and visualizations easier.

- Work through a systematic foundation in the rules of probability
- Apply probability consistently through practical topics, working through problems in hypothesis testing and model comparison
- Explore visualization and analysis using the free computer software, written in Python

Brian Blais is a Professor of Science and Technology at Bryant University and a research professor at the Institute for Brain and Neural Systems, Brown University. With a Ph.D. in Physics from Brown University, he has taught and published in such diverse areas as computational neuroscience, robotics, epidemic modeling, and environmental resource dynamics. He maintains his blog, *bblais on the web*, at http://web.bryant.edu/~bblais/ where he explores the intersection of science and society.

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