

# Department of Mathematics

## *Spring 2018 Colloquium Series*

### An Introduction to Bayesian Statistics

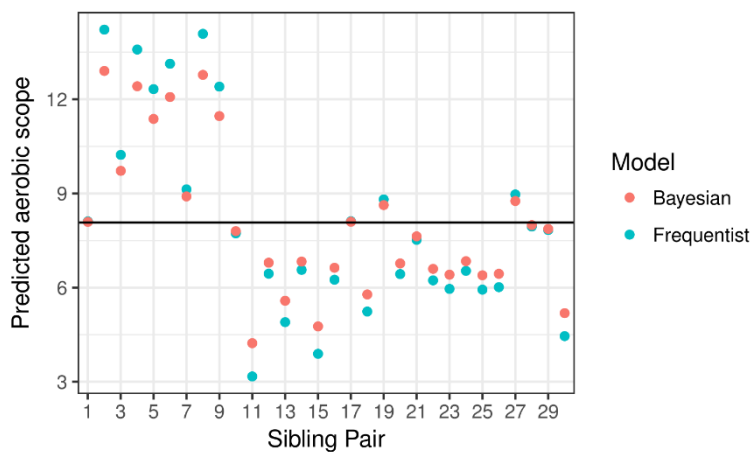
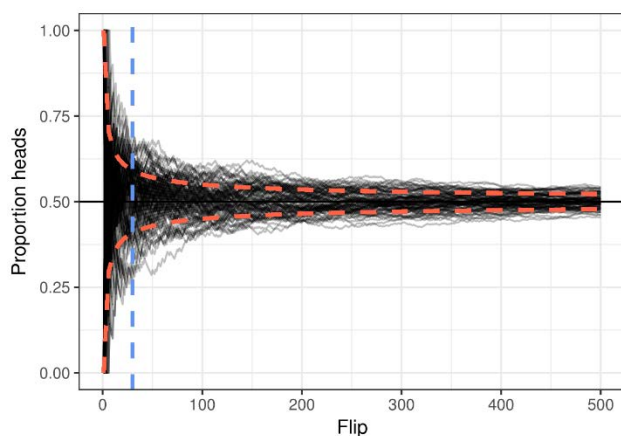
Edward Roualdes, Ph.D.

Department of Mathematics and Statistics, CSU Chico

**Thursday, April 5, 2018**

**BSS 204, 4:00 pm**

This talk will introduce Bayesian statistics. Throughout, Bayesian statistics will be juxtaposed to the more commonly known, but rarely specified, frequentist statistics. We begin with a brief recap of frequentist statistics and use this as motivation for Bayesian statistics. We introduce Bayesian statistics with both a high-level discussion and a fun example. We then provide a brief, theoretical comparison between these two branches of statistics, keeping in mind that each branch relies on its own approximations. The talk will conclude with two recent examples of my research in applied Bayesian statistics, each of which should highlight some benefits of Bayesian statistics.



For more info, go to <http://www.humboldt.edu/math/news-and-events/math-colloquium>

*We cordially invite you to the Pre-Colloquium Tea on the third floor of the BSS building at 3:30 pm on Thursday.*