

The beta-binomial model

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Bayesian Data Analysis and Probabilistic
Programming

- The Beta-Binomial model: Ch. 3 of Bayes Rules! An Introduction to Applied Bayesian Modeling
 - <https://www.bayesrulesbook.com/chapter-3.html#chapter-3>
 - Alicia A. Johnson, Miles Q. Ott, Mine Dogucu

The bias θ of a coin

- A coin falls heads with probability $\theta \in (0, 1)$
- θ is the *bias* of the coin
 - $\theta = 0$: it always lands tails
 - $\theta = 1$: it always lands heads
- $\theta \in (0, 1)$ is a continuous parameter

