Bayesian Methods

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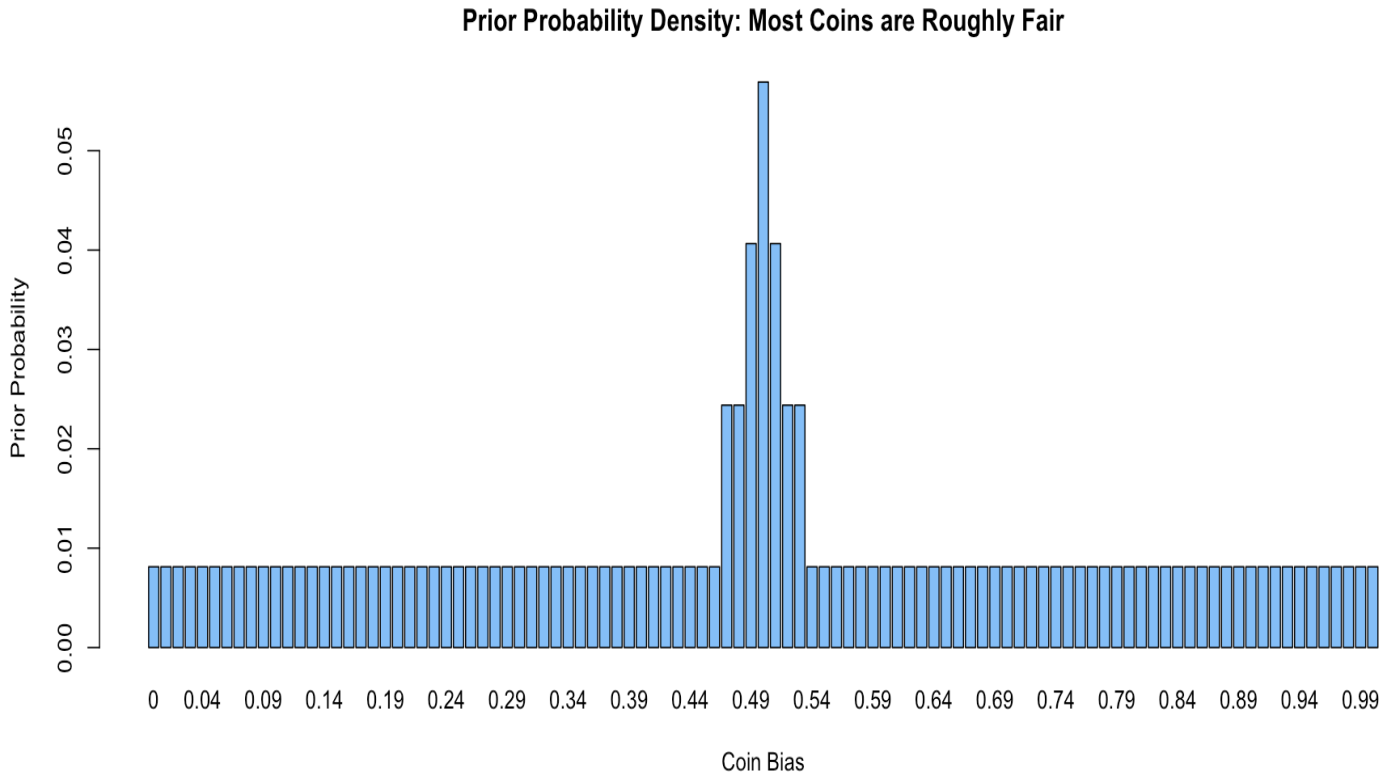
Flipping a Coin with my Honest Sister

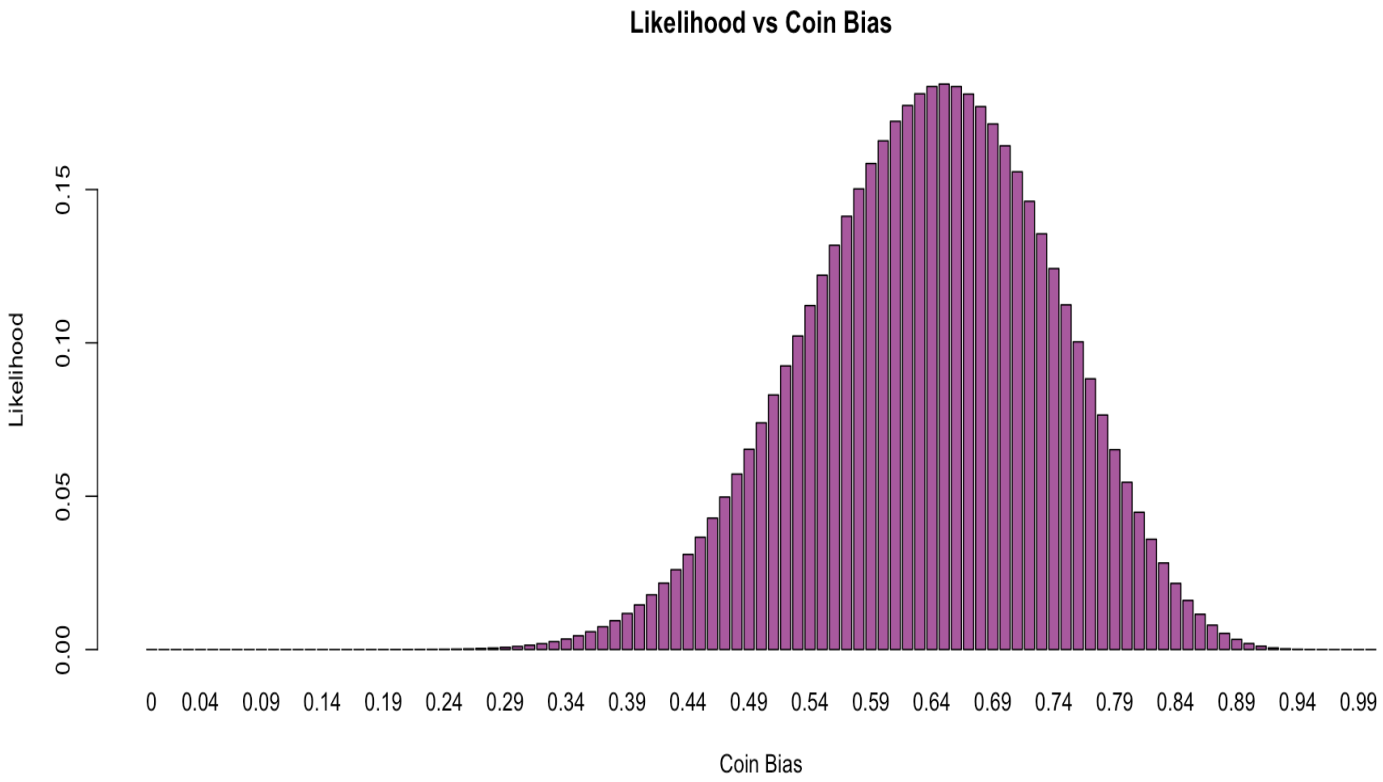
$$P(M_{0.50}|D_{13}) = \frac{P(ObservedHeads|bias = x)P(bias = x)}{P(ObervedHeads)}$$

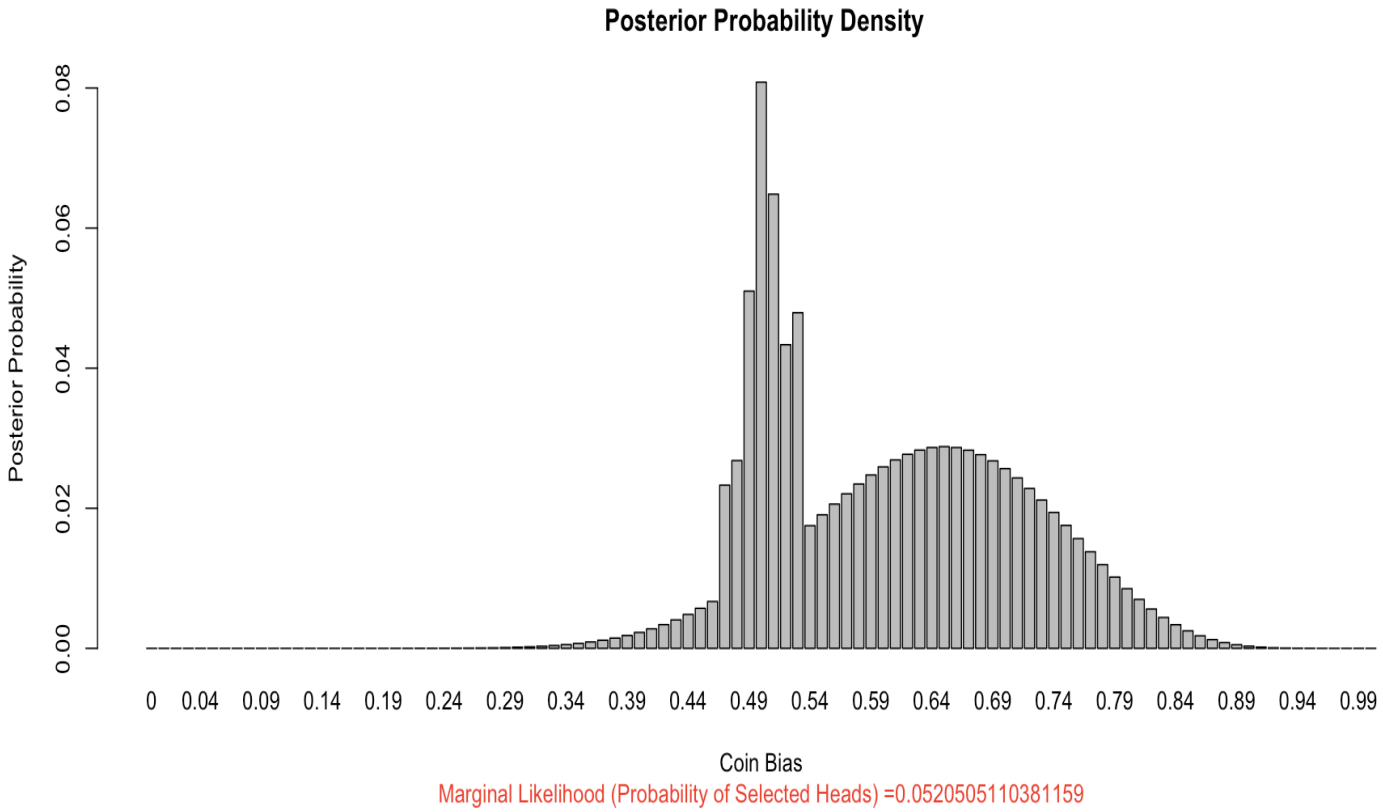
Number of bins: 101

Total Flips: 20 (0 40 80 120 160 200)

Heads: 13 (0 40 80 120 160 200)







Marginal Likelihood (Probability of Selected Heads) =0.0520505110381159