

Markov Chain Monte Carlo

D. Miranda-Esquivel

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1 General objective

- In this section, we will practice with R:
 - Krushcke, 2015: 5.3. Complete examples: Estimating bias in a coin – Krushcke, 2015: 7.2.1. A politician stumbles upon the Metropolis algorithm

2 Key Concepts

- Sampling
- Markov Chain Monte Carlo

3 Activities

- Review:

Chapters 5-7: Markov Chain Monte Carlo [@kruscke2015]

4 Readings

4.1 Basic readings

- Chapters 5 - 7 [@kruscke2015]

4.2 Should read

- **Ellison. 2004.** Bayesian inference in ecology. Ecology Letters. 7: 509–520 doi: 10.1111/j.1461-0248.2004.00603.x