

Probability

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1 General objective

- In this section, we will review:
 - basic probability concepts, and various probability distributions.

2 Key Concepts

- Probability basics
- Common probability distributions (binomial, dirichlet, gamma, exponential, log-normal)

3 Activities

- Review:

Chapter 2: Introduction: Credibility, Models, and Parameters [kruschke2014] Chapter 4: What is This Stuff Called Probability? [kruschke2014]

– Prepare the exercises in both chapters

- Review:

Chapter 3: Principles of Probability [hobbs2015]

4 Readings

4.1 Basic readings

- Chapters 2 & 4 [kruschke2014]
- Chapter 3 [hobbs2015]

4.2 Should read

- Unit 3. Bodine et al [Read Online](#)
- Chapter 5. Sokal & Rohlf
- Ellison. 2004. Bayesian inference in ecology. Ecology Letters. 7: 509–520 doi: 10.1111/j.1461-0248.2004.00603.x