Probability

D. Miranda-Esquivel

2024-01-20

Table of contents

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