1 Last updated: December 2, 2020

General references and motivation

2 Hobbs and Hooten (2015), McElreath (2016), Kruschke (20XX)

3 Gelman et al. (2020 - Bayesian Workflow)

Inference/theory

4 How does one make inferences from a model built in a Bayesian statistical framework?

5 Hobbs and Hilborn (2006), Buckland et al. (2007), Mangel and Hilborn (1998)

Visualization

6 What is the role of visualization in Bayesian analysis?

7 Gabry et al. (2019): general

8 Gelman et al. (2000): posterior predictive checks

Priors

9 How are priors constructed? How can we evaluate the influence of a prior?

10 Banner et al. (20XX)

Model checking

11 For a single model, how can we tell whether our model is a good fit to the data?

12 Conn et al. (2018)

Model selection

13 How can we make comparisons among competing models?

14   Hooten and Hobbs (2015)

Error propagation

15 How does error propagation work in a Bayesian context?

16   Clark et al. (2003, 2005)

Hierarchical models

17 What is a hierarchical model? Why is it *not* synonymous with a Bayesian model?

18   McMahon and Diez (2007), Diez (2007), Cressie et al (2009)

Combining data

19 What are some examples of combining data using Bayesian approaches?

20   Fabre et al. (2010), Spor et al. (2010), Wilson et al. (2015)

Plant demography applications

21 What are existing examples of Bayesian analysis applied to plant demography data?

22   Evans et al. (2010), Elderd and Miller (2015)

Interesting ecological applications

What are some general interesting ecological applications of Bayesian analysis?

Link et al. (2002), Cam et al. (2002), Lavine et al. (2002), Clark et al. (2004), Metcalf et al. (2009), Ketz et al. (2016), Ibanez et al. (2007)