

PBIO 6940 Week 8 Assignment: W08_MCMC_Ch9. Due at midnight, Monday, 17 March 2025. Submit your work in an R notebook or script file using the assignment tool in Brightspace.

1. 9E5. Which value should $\hat{R}$ approach, when a chain is sampling the posterior distribution correctly?
2. 9H2. Recall the divorce rate example from Chapter 5. Repeat that analysis, using `ulam` this time, fitting models `m5.1`, `m5.2`, and `m5.3`. Use `compare` to compare the models on the basis of WAIC or PSIS. To use WAIC or PSIS with `ulam`, you need to add the argument `log_log=TRUE`. Explain the model comparison results.