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Exercise 6.6
MCMC Classification

Instructions: You may discuss this assignment with other students in the class, but you must submit your own answers to the questions below. Include an honor pledge with your submission. Submit online and in PDF. This exercise is ungraded.

1. Use the provided PyMC3 Bayesian Logistic Regression Classification Python notebook to say something about the predictor variables for using logistic regression for classification on the Iris data. Pay particular attention to predictor variables that might provide little or no predictive information because their coefficient might be zero.

2. Support your inference above using the traceplot, the forestplot, and the jointplots of the traces. Include copies of the plots to support your claim.