

## Chapter 10 Exercises

**Exercise 1:** Using the same hypotheses and priors as in Example 10.1, suppose that after 10 matches we have observed 5 wins. Calculate the Bayes factor and hence determine which hypothesis is most likely.

**Exercise 2:** Open the model “10.2 Drug Testing” in AgenaRisk (in Examples/Book Models). Explain how the model shows both the results of ‘classical hypothesis testing’ and an alternative Bayesian approach. What can you conclude about the differences?

**Exercise 3:** Combine the models in Figures 10.5 and 10.6 (which can be found in AgenaRisk in Examples/Book Models) into a single model for extreme weather model comparison incorporating expert judgment.