

## 12 Applications in astronomy

*Harrison B. Prosper*

### **Exercise 12.1: Calculating the likelihood; Bayes factor**

See the output of the provided code for the plots.

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### **Exercise 12.2: Calculating the prior**

See the output of the provided code for the plots.

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### **Exercise 12.3: Comparison of Bayes factors**

See the output of the provided code for the plots.