

# STAT 405-01: Mathematical Statistics I

## Problem Set 2

Assigned 2013 September 3  
Due 2013 September 10

**Show your work on all problems!** Be sure to give credit to any collaborators, or outside sources used in solving the problems. Note that if using an outside source to do a calculation, you should use it as a reference for the method, and actually carry out the calculation yourself; it's not sufficient to quote the results of a calculation contained in an outside source.

**1 Hogg 1.8.11**

**2 Hogg 1.9.23**

**3 Hogg 1.9.2**

**4 Hogg 1.9.25**

**5 Hogg 1.9.26**

**6 Hogg 1.10.2**

**7 Hogg 1.10.3**