Statistics (MATH 4733/5733) Spring 2012
Homework 9

Due: Mon. Apr. 23, start of class

Instructions: Please read the homework policies and guidelines posted on the course webpage. You may **not** use a calculator (or computer) **except** for basic arithmetic functions (e.g., $+, -, \times, \div, \log 2, e^{1/2}, \sqrt{10}$). Make sure to write your name and course number in the top right corner of your solution set, as well as the assignment number on top. Please staple your homework. Sections and exercises refer to the exercises in the required course text.

Exercises marked with an asterisk ($*$) are for students of 5733 only.

Reading

Read Chapter 10

Conceptual questions

• What are the relations between the 3 kinds of goodness-of-fit tests (parameters known, parameters unknown, and independence tests)? What is the role of the multinomial distribution?

Written Assignment

Section 10.2: 2, 7

Section 10.3: 4, 9

Section 10.4: 2, 7, 8

Section 10.5: 5, 9