

# Homework 1

**Due Date:** 5:00 PM Monday January 11

## General Instructions:

You may work on the assignment in groups of up to 3 students from the class.

Include a title page with the names and student ID numbers of all group members.

Submit your homework by the time it is due in lecture or in my mailbox in 4118 MSB.

Include all used computer code in an appendix at the end of the assignment.

## Assignment:

Textbook problems 1.6, 1.7, 1.22, 1.26, 1.29, 1.30

You may use software for plots, but all other work on HW1 has to be done **without a computer**.

The data for problem 1.22 is on Smartsite (Resources → Textbook Problems and Data → *CH01PR22.txt*). Below is a summary of the dataset.

$$\bar{X} = 28, \quad \bar{Y} = 225.5625, \quad S_{xx} = 1280, \quad S_{yy} = 5443.9375, \quad S_{xy} = 2604$$