

HOMEWORK 1: MATH 183 WINTER 2013

DUE IN CLASS ON FRIDAY JAN 18TH

Solve following exercises from the book from OpenIntro Statistics.

Problems 1.-8.: Exercise 1.2, 1.4, 1.10, 1.26, 1.30, 1.36, 1.40, 1.50

Problem 9.-10.: Exercise 2.6, 2.10.

Problem 11. Suppose you have two datasets. Is the sample mean of the combined dataset the average of the sample means of individual datasets? What about variance ?

Challenge Problem: *Propose a way to investigate if mean and standard deviations are sensitive to outliers. Do the analysis empirically and mathematically.*