

Stat 257.01 Fall 2004
Assignment #3

This assignment is due at the beginning of class on Monday, September 27, 2004. You must submit all problems that are marked with an asterix (*).

You are encouraged to form study groups and collaborate with others on this assignment. However, the final work you submit must be your own. A piece of advice: *the assignments are worth very little in the computation of your final grade. It is better to suffer through not understanding something now, rather than copying from a friend just for the sake of completion. You will not have that luxury on the exams.* YOUR ASSIGNMENT MUST BE STAPLED AND PROBLEM NUMBERS CLEARLY LABELLED. UNSTAPLED ASSIGNMENTS WILL NOT BE ACCEPTED! DO NOT CROWD YOUR WORK. DO NOT WRITE IN MULTIPLE COLUMNS.

1. * Do the following exercises from Scheaffer, et al.
 - Exercises pages 70–76: #3.20, 3.30, 4.1, 4.2, 4.3, 4.5, 4.6, 4.7, 4.8

2. * A questionnaire titled “International Travel Survey of Canadian Residents” was recently distributed in class. This questionnaire was prepared by Statistics Canada, and was given to me by a Canadian customs agent when I returned to Canada from abroad in August 2004. Using elements discussed in this course, analyze the design of this questionnaire. Such elements may include: question ordering, question wording, response options. As noted on the survey itself, this information “will be used by members of the Canadian tourism industry and government tourism organizations to better understand and serve you, the travelling public.” You should also discuss the target population (who is it?), the sampling units, and the frame, as appropriate, as well as the design of the sample survey.