

STA304/1003 H1F - Summer 2014:

READINGS AND HOMEWORK PROBLEMS

- Readings/Exercises are assigned from "Elementary Survey Sampling" (7e) by Sheaffer, Mendenhall, Ott, Gerow.
- Supplementary Exercises and Data Analysis Exercises are posted

Chapter 1: Introduction

- Read *whole introduction*
- Exercises: NA

Chapter 2: Elements of the Sampling Problem

- Read *sections*: 1-7
- Exercises (Pg # 39): 1-7, 21, 28
- Supplementary Exercises 1

Chapter 3: Basic Concepts of Statistics

- Read *sections*: 0-7
- Exercises (Pg # 68): 2-8, 21

Chapter 4: Simple Random Sampling

- Read *sections*: 1-7
- Exercises (Pg # 103): 1, 2, 4, 11, 14-17, 18a, 20, 21, 23-28, 36, 38, 41, 42.
- Supplementary Exercises 2 and Data Analysis Assignment 1

Chapter 5: Stratified Sampling

- Read *sections*: 1-9, 12
- Exercises (Pg # 152): 1-3, 5-8, 12-17, 24, 26, 27.
- Supplementary Exercises 3 and Data Analysis Assignment 2

Chapter 6: Ratio, Regression, and Difference Estimation

- Read *sections*: 1-4, 6-9
- Exercises (Pg # 204): 1, 2, 6, 9, 16, 23, 26, 27.
- Supplementary Exercises 4 and Data Analysis Assignment 3

Chapter 7: Systematic Sampling

- Read *sections*: 1-8
- Exercises (Pg # 243): 3, 4, 8, 21, 25, 27.

Chapters 8 and 9: One-Stage and Two-Stage Cluster Sampling

- Read *Ch. 8 sections*: 1-7, 9-10 and *Read Ch. 9 sections*: 0-10
- Exercises (Pg # 278): 2-5, 8, 9, 16, 17, 20, 24, 25, 26, 27.
- Exercises (Pg # 306): : 2-4, 6, 9, 10, 14-16.
- Supplementary Exercises 5 and Data Analysis Assignment 3