

**22S:25/7P:25 (STAT 1020) Elementary Statistics and Inference**

**Spring 2012 REQUIRED TEXTBOOK PROBLEMS**

Statistics by Freedman, Pisani, Purves; W.W. Norton & Co., 4<sup>th</sup> ed.

**Directions:** Work out all of the **assigned review problems** and hand in your work on the due date. For some problems, hints or instructions are provided. You do not have to follow the **suggested format** (number of problems per page) -- this is provided only to help you plan your responses. Refer to the syllabus for general homework instructions.

**Chapter 3**

page	review problems
50-55	1,2,4-9,11

**Hints and planning:** **page 1** - prob. 1, 2 (use abt.  $\frac{3}{4}$  page, use a straight edge), 4 (a-g, answers only); **use 1 or 2 pages** for the remaining assigned problems

**Chapter 4**

page	review problems
74-76	1-9

**page 1** - prob. 1, 2, 3, 4 (hint: see p37, fig. 4 and p39, fig. 5), 5; **page 2** - 6, 7, 8 (be sure to show work for part b), 9 (hint: the answers to a and b are numbers - show work)

**Chapter 5**

page	review problems
93-95	1-9,11

**page 1** - prob 1 (draw normal curve), 2, 3 (draw normal curves); **page 2** - prob 4 (draw normal curves), 5, 6 (show the reason for your answer); **page 3** - prob 7 (draw normal curves), 8; **use 1 or 2 pages** for the remaining problems

**Chapter 6 - read** C6 between C23 and C24

**Chapter 7**

There are no review problems in Chapter 7.

## **Chapter 8**

page	review problems
134-139	1,3,4,5,7,8,9,10,11

**page 1** - probs 1, 3, 4; **page 2** - probs 5 (GPA is cumulative), 7, 8; **page 3** - probs 9, 10, 11

## **Chapter 9**

page	review problems
153-157	1,2,3,4,5,6,8,10,11,12

**page 1** - probs 1, 2, 3, 4, 5; **use 1 or 2 pages** for the remaining problems

## **Chapter 10**

page	review problems
176-178	1,2,3,4,6, 9,10

**page 1** - probs 1, 2, 3; **use 2 or 3 pages** for the remaining problems

## **Omit Chapter 11**

## **Chapter 12**

page	review problems
213-215	1,2,3,7,11,12

**page 1** - probs 1, 2; **use 1 or 2 pages** for the remaining problems

## **Chapter 13**

page	review problems
234-236	1 – 10

**page 1** - probs 1, 2, 3, 4, 5; **use 1 or 2 pages** for the remaining problems

## **Chapter 14**

page	review problems
252-253	1 - 12

**page 1** - probs 1, 2, 3, 4, 5; **page 2** - probs 6, 7, 8, 9; **use 1 or 2 pages** for the remaining problems

## Chapter 15

page review problems  
261-262 1 - 10

**page 1** - probs 1, 2, 3, 4; **page 2** - probs 5, 6, 7, 8; **page 3** - probs 9, 10

## Chapter 16

page review problems  
285-286 1,2,3,5,6,7,8,10

**page 1** - probs 1, 2, 3, 5; **use 1 or 2 pages** for the remaining problems

## Chapter 17

page review problems  
304-306 1,3,4,5,7,8,9,11,12

**page 1** - probs 1, 3, 4; **page 2** - probs 5, 7, 8; **use 1 or 2 pages** for the remaining problems

## Chapter 18

page review problems  
327-329 1 – 7, 9, 10, 12 – 15

**page 1** - probs 1, 2; **page 2** - probs 3, 4, 5; **page 3** - probs 6, 7, 9, 10; **use 1 or 2 pages** for the remaining problems

## Chapter 19

Look over/study: vocabulary, issues in sample surveys, chapter summary p 353-354

page review problems  
352 7, 9, 10, 11

**page 1** - probs 7, 9; **page 2** – probs 10, 11

## Chapter 20

page review problems  
371-373 1 – 6, 8 - 12

**page 1** - probs 1, 2; **page 2** - probs 3, 4; **page 3** - probs 5, 6, 8, 9; **page 4** – probs 10, 11, 12

**Chapter 21**

page review problems  
391-394 1 – 6, 8 – 11, 13, 14

**page 1** - probs 1, 2, 3; **page 2** - probs 4, 5, 6; **page 3** - probs 8, 9, 10, 11;  
**page 4** – probs 13, 14(a-c)

**Chapter 22 – OMIT****Chapter 23**

page review problems  
425-428 1 – 3, 5, 7, 8, 10 – 12

**page 1** - probs 1, 2; **page 2** - probs 3, 5, 7; **use 1 or 2 pages** for probs 8, 10, 11, 12

**Chapter 6 – read** no problems

**Chapter 24**

page review problems  
455-457 1 – 4, 7 – 9

**page 1** - probs 1, 2; **page 2** - probs 3, 4, 7; **page 3** - probs 8, 9

**Chapter 25 – OMIT****Chapter 26**

page review problems  
495-500 1 – 6, 8, 9

**Suggested format for C26** – put no more than 2 problems on a page

**Chapter 27**

page review problems  
518-521 1, 2, 3, 6

**Suggested format for C27** – put no more than 2 problems on a page

**Chapter 28**

page review problems  
531 - 533 1 – 7 (*The answers to these problems are in the back of the book.*)