

Stat 254: Recommended Practice Homework Problems

The following exercises are not to be handed in for marking. Instead, you are encouraged to work on these selected exercises as part of your studying for the course.

Section	Exercises	Page*
1.1 to 1.3	1.1 b), e), 1.3, 1.5, 1.9	9
1.4	No recommended problems	
1.5	5, 7, 9, 11 b), 21, 47	23
1.6	5, 15, 37, 39, 41, 43	42
1.7	21, 37, 39 Also, go back and do Section 1.5: 19, 25 (omit IQR), 29, 55	59
2.1 to 2.3	4.1, 4.3, 4.5, 4.7, 4.9, 4.13, 4.15	74
2.4	4.21, 4.25, 4.27, 4.33, 4.35	81
2.5 to 2.6	4.45, 4.47, 4.49, 4.63, 4.71	94
2.7	4.75, 4.77	105
Supplement	4.117, 4.123, 4.135	110
3.1	3-3	119
3.2	No recommended problems.	
3.3	No recommended problems.	
3.4	3-39, 3-45	127
3.5	We are skipping this section.	
3.6	3-57 (d), 3-63, 3-67	134
3.7	We are skipping this section.	
3.8	3-91	146
3.9	3-99, 3-101	151
4.1	1 - 4	8
4.2	5.17, 5.19, 5.21(a)	13
4.3	1 - 4	23
4.4	5.27, 5.29, 5.31, 5.32(c) – answer to 5.32(c) is 278	30
4.5	7.29, 7.31	38
5.1	12	47
Supplement	1-2	55
5.2	3.1, 3.3, 3.17, 3.19, 3.25, 3.29(d)	68
5.3	7, 11, 13	85
Supplement	1-2	92
5.4	We are skipping this due to the snow.	

* These page numbers are for the PDF with the full course materials.

Section	Exercises	Page
6.1	13, 17, 21, 25	128
6.2	5, 9, 13	134
6.3	7, 11, 17	141
6.4	5, 11, 13	148
Chapter Review	1, 3, 7, 9, 15	150
7.1 - 7.3	10.1, 10.3, 10.15(a)	175
7.4 - 7.5	10.21, 10.29 be sure to omit 10.19, 10.25, and 10.31, since the reading is using a slightly outdated method here you can try 10.33 if you wish but be aware that D_0 is non-zero in this question	197
7.6	We are skipping this section.	
7.7	We are skipping this section.	
7.8 - 7.9	10.59, 10.61, 10.63	206
7.10	10.69, 10.71 for 10.69, you won't be able to calculate the p -value as as accurately as the answer states, but with your table you should find that $p > 0.1$ for 10.71, similarly $0.01 < p < 0.025$	210
7.11	10.79, 10.81	223
8.1	9, 11, 13	241
8.2	3, 9, 15, 21	2.54