Homework which makes up a hefty 20% of the grade. These problems are taken from the textbook
Probability and Statistics for Engineering and the Sciences, 7th ed. by Jay L. Devore, Duxbury, 2008.
All listed problems are to be turned in. Homework from Wednesday, Friday and Monday will be due
Friday. Late homework that is up to one week late will receive half credit. Homework that is more than
one week late will receive no credit at all. Your solutions must be self-contained. Please copy or
paraphrase the problem. Your solutions must include some explanation. The answers given in the
solutions manual will usually not be adequate. You will not receive any points just for copying the
solution from the manual.

Our homework reader is Jungdae (Pete) Kim (`sixlines@gmail.com`). You have until 5:00 p. m.
or so Fridays when he goes home to turn in papers to Jungdae (Pete) Kim's mailbox, near the window
behind the coffee machine in JWB 228.

SCHEDULE
                       Q = Quiz day

Day	Section	Topic	Problems
M, Jan. 7	1.1-2	Terminology, Tabular Meth.	9[2,4,9], 20[10,12,18,24,26]
W 9	1.3	Measures of Location	30[33,35,38,41]
F 11	1.4	Measure Variability	39[44,50,51,56,69]
M 14	2.1- 2.2	Sample Space, Prob Axioms	50[2,6,8,9], 57[12,13,18,20,22,26]
W 16 Q	2.3	Counting	65[32,34,36,38,40,42,44]
F 18	2.4	Conditional Prob.	74[48,49,51,62,68], 83[104]
M 21	* * *	Martin Luther King Day Holiday * * *	
W 23	2.5	Independence	80[74,75,76,78,80]
F 25	3.1-2	Discrete Random Vars.	89[1,8], 98[12,16,17,24]
M 28	3.3	Expected Value	106[32,33,35,36,41]
W 30		FIRST MIDSEMESTER EXAM	
F, Feb. 1	3.4	Binomial Dist.	113[47,50,51,52,57,58,63]
M 4	3.5	Hypergeometric Dist.	120[68,72,75]
W 6	3.6	Poisson Dist.	125[79-81,86,89,90]
F 8	4.1	Continuous R. V.'s	135[1,2,4,6]
M 11	4.2	Cumulative Dist. Fn.	142[12,18,26]
W 13 Q	4.3	Normal Dist.	154[34,37,38,45,53]
F 15	4.4	Exp & Gamma Dist.	162[60,67]
M 18	* * *	Presidents Day Holiday * * *	
W 20	4.5	Other Distributions	168[73,77,84]
F 22	4.6	Probability QQ-Plots	178[88,92A]
M 25	5.1	Jointly Dist. R.V.'s	194[1,6,10]
W 27		SECOND MIDSEMESTER EXAM	
F 29	5.2	Covariance & Correlation	201[22,25,26,30]

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SCHEDULE -- Continued
             Q = Quiz day
Day           Section        Topic              Problems

M, Mar. 3      5.3    Statistics & their Dists.  212[38,41]
W       5      5.4    Sample Mean Dist.          218[46,47,51,53,55]
F       7      5.5    Dist. of Lin. Comb.        221[59,61,69,72]

M      10      6.1    Point Estimation           240[1,3,8,13]
W      12 Q    7.1    Confidence Intervals       262[3,5,7,9,11]
F      14      7.2    C. I. for Pop. Mean        268[13,15,17,19,21]

M      17          * * * * * * * * * * * * * * * * *
W      19          * * *   Spring Break Holiday  * * *
F      21          * * * * * * * * * * * * * * * * *

M      24      7.3    Intervasls for Normal Pops. 276[30,32,33,35,37]
W      26      7.4    C. I. for Variance & S. D.  280[44,46]
F      28      8.1    Hypothesis Testing          293[7,9,11]

M      31      8.2    Tests about Pop. Mean       304[19,21,23,25,29,31]
W, Apr. 2             THIRD MIDSEMESTER EXAM
F       4      8.3    Tests about Pop. Prop.      310[36,37,38,39,40]

M       7      8.4    P-Values                    317[48,50,52,57]
W       9      8.5    Selecting a Test            321[61]
F      11      9.1    Z-Test, Compare two means   334[3,5,7,9,13]

M      14      9.2    Two-Sample t-Test           341[21,23bc,25,28,33]
W      16 Q    9.3    Paired Data                 350[39,40,43]
F      18      9.4    Compare Two Proportions     358[47,50,51,53]

M      21      9.5    Compare two Variances       363[61,63]
W      23             Review


W, Apr. 30            FINAL EXAM   8:00 - 10:00 am,   LS 101
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