

Homework makes up a hefty 20% of the grade. These problems are taken from the textbook "Probability and Statistics for Engineering and the Sciences, 8th ed.," by Jay L. Devore, Brooks / Cole 2012. All starred (*) 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. Homework that is placed in the reader's mailbox before 5:00pm Friday will be considered on time. Our homework reader is ???. His mailbox is in JWB 228 in the back corner.

Your solutions must be self-contained. Please copy or paraphrase the problem. Your solutions must include some explanation. The answers given in the back or in the solutions manual will not be adequate. You will not receive any points just for copying the solution from the manual.

SCHEDULE

Day	Section	Topic	Problems	

M = Midterm Day				
Q = Quiz day				

to be handed in Friday, Aug. 26.				
M, Aug. 22	1.1-2	Terminology, Tabular Meth.	24[10,12*,18*,24*,26*]	

to be handed in Friday, Sept. 2				
W	24	1.3	Measures of Location	34[33*,35*,38*,41*]
F	26	1.4	Measure Variability	43[44*,50*,51,56,60*,69*]
M	29	2.1-2	Sample Space, Prob Axioms	54[2*,6*,8*,9*], 62[12,13*,18*,20*,22*,26]

to be handed in Friday, Sept. 9.				
W	31 Q	2.3	Counting	71[32*,34*,36*,38,40,42*,44]
F, Sept. 2			Probability Problems	88[90,92,95*]
M	5	* * *	Labor Day Holiday	* * *

to be handed in Friday, Sept. 16.				
W	7	2.4	Conditional Prob.	80[48*,49*,51*,62*,68], 88[104*]
F	9	2.5	Independence	86[74*,75*,76*,78*,80*]
M	12	3.1-2	Discrete Random Vars.	95[1*,8*], 104[12*,16*,17*,21,24*]

to be handed in Friday, Sept. 23.				
W	14 M		FIRST MIDSEMESTER EXAM	
F,	16	3.3	Expected Value	113[32*,33*,35*,36*,37,41*]
M	19	3.4	Binomial Dist.	120[47*,50*,51*,52*,57*,58*,63*]

to be handed in Friday, Sept. 30.				
W	21	3.5	Hypergeometric Dist.	127[68*,72*,75*]
F	23	3.6	Poisson Dist.	132[79,80,81*,86*,89*,90*]
M	26	4.1	Continuous R. V.'s	142[1*,2*,4*,6*]

to be handed in Friday, Oct. 7.				
W	28 Q	4.2	Cumulative Dist. Fn.	150[12*,18*,26*]
F	30	4.3	Normal Dist.	162[34*,37*,38*,45*,53*]
M, Oct. 3		4.4	Exp & Gamma Dist.	170[60*,66*,67*]

to be handed in Friday, Oct. 21.				
W	5	4.5	Other Distributions	177[73*,77*,84*]
F	7	4.6	Probability QQ-Plots	187[88*,91*]

M	10	*****		
W	12	*** Fall Break Holiday ***		
F	14	*****		
M	17	5.1	Jointly Dist. R.V.'s	194[1*,6*,10*]

to be handed in Friday, Oct. 28.

W	19 M		SECOND MIDSEMESTER EXAM	
F	21	5.2	Covariance & Correlation	211[22*,25*,26*,30*]
M	24	5.3	Statistics & their Dists.	222[38*,41*,44*]

to be handed in Friday, Nov. 4.

W	26	5.4	Sample Mean Dist.	229[46*,47*,51*,53*,55*]
F	28	5.5	Dist. of Lin. Comb.	233[59*,61*,69*,72*]
M	31	6.1	Point Estimation	252[1*,3,8*,13*]

to be handed in Friday, Nov. 11.

W	, Nov. 2 Q	7.1	Confidence Intervals	275[3*,5*,7*,9*,11*]
F	4	7.2	C. I. for Pop. Mean	283[13*,15*,17*,19*,21*]
M	7	7.3	Intervals for Normal Pops.	292[30*,32*,33*,35*,37*]

to be handed in Friday, Nov. 18.

W	9	7.4	C. I. for Variance & S. D.	296[44*,46*]
F	11	8.1	Hypothesis Testing	308[7*,9*,11*]
M	14	8.2	Tests about Pop. Mean	320[19*,21*,23*,25*,29*,31*]

to be handed in Friday, Dec. 2.

W	16 M		THIRD MIDSEMESTER EXAM	
F	18	8.3	Tests about Pop. Prop.	327[37*,39*,40*,42*]
M	21	8.4	P-Values	337[50*,52*,54*,59*]
W	22	8.5	Selecting a Test	341[63*]
F	25	***	Thanksgiving Day Holiday ***	
M	28	9.1	Z-Test*, Compare two means	354[3*,5*,7*,9*,13*]

to be handed in Friday, Dec. 9.

W	30 Q	9.2	Two-Sample t-Test	362[21*,23bc*,25*,28*,33*]
F	Dec. 2	9.3	Paired Data	371[39*,40*,43*]
M	5	9.4	Compare Two Proportions	380[49*,52*,53*,55*]
W	7	9.5	Compare Two Variances	385[63*,65*]
F	9		Review	

Mon., Dec. 12 F FINAL EXAM 8:00 - 10:00 AM, in BEH S 114