

MAT 1372 Statistics with Probability **Texts:** # 1. Introductory Statistics 3rd Edition by Sheldon Ross
 # 2. Statistics with Microsoft Excel 5th Edition by Beverly J. Dretzke

Session	Statistics with Probability	Text #1	Homework	Text #2
1	Introduction to Excel			p. 1-5, 9-11 and 13-23
2	Graphical Descriptive Techniques	2.1-2.4	p. 25# 1, 2, 3; p. 39# 1, 3; p. 47# 1, 3.	SORT, FREQUENCY p. 28-29
3	Measures of Central Location and Variability	3.2-3.5	p. 79# 1, 9; p. 86# 1, 2, 11; p. 98# 1, 5; p. 105# 1,2, 6	AVERAGE(:), VARP(:), STDEVP(:) p. 36-45
4	Covariance and Coefficient of Correlation	2.5, 3.7	p. 54# 1, 5; p. 128# 1, 3	COV(X,Y), CORREL(X,Y) p. 189-193
5	Least Squares Method and Regression	12.1-12.3	p. 542# 1, 5; p. 548# 1, 2, 3	SLOPE, INTERCEPT p. 205-210
6	Assigning Probabilities to Events; Probability Rules	4.1-4.3	p. 150# 1, 3, 4, 7, 10, 11, 12; p. 156# 1, 2, 7, 9, 10	
7	Experiments Having Equally Likely Outcomes	4.4	p. 164# 1, 2, 3, 6, 9, 10, 12, 14	
8	Conditional Probability and Independence	4.5	p. 177# 1, 2, 3, 4, 7, 11, 15, 18, 28, 29, 33, 35, 38	
9	Relative Frequency Distribution and z-scores			FREQUENCY(bin:data) p. 45-48, p59-76
10	First Examination			
11	Random Variables, Probability Distributions	5.2	p. 215 #1, 3, 4, 9, 10, 15, 17, 18	
12	Expected Value and Variance	5.3 5.4	p. 225 #1, 3, 4, 5, 9, 11, 19, 23, 27, 30 p. 236 #2, 3, 5, 10, 11, 17, 18, 19	
13	Binomial Distribution	5.5	p. 244 #2, 3, 5, 10, 11, 21, 23	BINOMDIST(s,n,p,false) p. 104-108
14	Poisson Distribution	5.7	p. 253 #1, 3, 5	POISSON(x,mean,false) p. 111-115

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16	Normal Random Variables	6.3,6.4	p. 269 #1, 2, 3, 5, 7, 19; p276 #3, 4, 5	NORMSDIST(z), NORMSINV(p) p. 115-122
17	Finding Normal Probabilities	6.5,6.7	p. 281 #1, 3, 5, 9, 13; p289 #1, 3, 9, 13	
18	Sample Mean	7.3	p. 303 #1, 3, 5	
19	Distribution of the Sample Mean	7.4.1	p. 311 # 1, 3, 5, 7, 11, 13	
20	Distribution of the Sample Variance of a Normal Population	7.6	p. 325 # 1	
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22	Estimating Population Means	8.2	p. 334 # 1,3,5,7,9	
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