QM212 ADL SYLLABUS

QM213 ADL Statistics for Business & Economics I Fall 2019 Syllabus

ALL VIA NUOODLE with section B classes in NORTH 302 MWF 09:00-09:50. Students in section B must attend MONDAY classes in NORTH 302. Instructor will be in class MWF 09:00:03-09:49:57 & all students welcome.

Students welcome any time in Mack 423 or by Skype (mekabay) & by phone (802-479-7937)

Textbook: Kabay, M. E. (2018). Statistics in Business, Finance, Computer Science and Information Assurance: A Layered Introduction with Excel. Provided free as PDF version in color available online through Nuoodle and from <u>http://www.mekabay.com/courses/academic/norwich/qm213/index.htm</u>

Day	Date	Text	TOPICS & ACTIVITIES	Quiz deadline 23:55 SUN of Std Week		
	2019	Chapter & Section	OPEN-BOOK NUOODLE WEEKLY REVIEW QUIZZES, HOMEWORK QUIZZES & HOMEWORK UPLOADS DUE BY @ 23:55 2 SUNDAYS AFTER START OF EACH WEEK			
Μ	26-Aug	Profess &	Introduction: About applied statistics; Why a layered introduction?; The importance of homework. Why use Excel?			
W	28-Aug	1.1 - 1.9	Long-term goals. SQ3R. Learning Excel: Web resources, basics; Counting and measuring; quantitative & qualitative	2		
F	30-Aug		variables.			
Μ	2-Sep	LABOR DAY				
W	4-Sep	1.10 - 1.21	Tables & Variables: table layouts & more about qualitative variables; quantitative data: discrete, continuous, ratio,	3		
F	6-Sep	& 2	ordinal, ranks. Accuracy, Precision, Sources of Data, Representing Data: significant figures & determining	3		
Μ	9-Sep	3	Sorting, Backups & Enhanced Tables: sorted lists in Word & Excel; simple sorts in Excel; Advanced sorting in	4		
W	11-Sep		Excel; mistakes in sorting; making backup files. Enhancing the presentation of tables in Word; Excel table tools.			
F	13-Sep		Copying an Excel table into a Word document.	_		
Μ	16-Sep	4	Charts Histograms Errors in Graphina: Horizontal bar charts: pie charts. Designing and using histograms.	F		
W	18-Sep			5		
	•					
		5				
				6		
· ·	'					
-		,		7		
		•				
Μ	7-Oct	0-Oct 7.1 - 7.12				
W	9-Oct			8		
				-		
F	11-Oc†					
	< > > > > > > > > > > > > D > > D > > D > > > > > > > > > D >	Description 26-Aug W 28-Aug W 28-Aug F 30-Aug M 2-Sep W 4-Sep W 4-Sep W 9-Sep M 9-Sep M 11-Sep F 13-Sep M 20-Sep M	Image: base in the section Chapter & Section 2019 Section M 26-Aug Preface & 1.1 - 1.9 W 28-Aug 1.1 - 1.9 F 30-Aug 1.10 - 1.21 M 2-Sep 4.2 W 4-Sep 3.10 - 1.21 F 6-Sep 4.2 M 9-Sep 3 F 13-Sep 4 F 20-Sep 4 F 20-Sep 4 F 20-Sep 5 M 23-Sep 5 F 27-Sep 5 F 27-Sep 5 F 27-Sep 6 W 2-Oct 6 F 4-Oct 6 F 4-Oct 7 M 7-Oct 7 M 9-Oct 7	And the sectionOPEN-BOOK NUOODLE WEEKLY REVIEW QUIZZES, HOMEWORK QUIZZES & HOMEWORK UPLOADS DUE BY @ 23:55 2 SUNDAYS AFTER START OF EACH WEEKM26-Aug W 28-Aug F 30-AugPreface & 1.1 - 1.9Introduction: About applied statistics; Why a layered introduction?; The importance of homework. Why use Excel? Long-term goals. SQ3R, Learning Excel: Web resources, basics; Counting and measuring; quantitative & qualitative variables.M2-SepLABOR DAYW4-Sep1.10 - 1.21Tables & Variables: table layouts & more about qualitative variables; quantitative data: discrete, continuous, ratio, ordinal, ranks. Accuracy, Precision, Sources of Data, Representing Data: significant figures & determiningM9-SepSorting, Backups & Enhanced Tables: sorted lists in Word & Excel; simple sorts in Excel; Advanced sorting in Excel; mistakes in sorting; making ad kup files. Enhancing the presentation of tables in Word; Excel table tools. Copying an Excel table into a Word document.M16-Sep4M16-Sep4M16-Sep4M16-Sep4M16-Sep4M16-Sep5F20-Sep6M23-Sep5M23-Sep6M20-Sep5M20-Sep6M20-Sep6M20-Sep5F27-SepM30-SepM20-Sep6M20-SepM20-SepM20-SepM20-SepM20-SepM<		

wк	Day	Date	Text	TOPICS & ACTIVITIES	Quiz deadline 23:55 SUN of Std Week			
		2019	Chapter & Section	OPEN-BOOK NUOODLE WEEKLY REVIEW QUIZZES, HOMEWORK QUIZZES & HOMEWORK UPLOADS DUE BY @ 23:55 2 SUNDAYS AFTER START OF EACH WEEK				
	Μ	14-Oct		Sampling and Statistical Inference (II): interval estimation, population mean estimated using parametric standard deviation, estimating parametric mean using the sample standard deviation, degrees of freedom vary in statistical and the sample standard deviation and the sample standard deviation are structured with the sample structure				
8	W	16-Oct 18-Oct	/.13 - /.24	applications, notation for critical values, two-tailed distributions, excel confidence.t function, beware the definition of a in inverse probability functions, interval estimate for any Normally distributed statistic, population proportion based on sample proportion, conditional formatting, confidence limits for population variance and population standard	9			
	•			deviation based on sample variability.				
9	M W F	21-Oct 23-Oct 25-Oct	8.1 - 8.7	Hypothesis Testing (I): comparing variances, levels of significance, Type I Error, Type II Error, testing a sample variance against a parametric value, comparing means, one-way ANOVA.	10			
	M	28-Oct	8.8 - 8.14					
10	W	30-Oct 1-Nov		Hypothesis Testing (II): ANOVA model, case study, t-tests, critical values, ANOVA single factor vs t-test, t-test without raw data, T.TEST function.	11			
11	M W F	4-Nov 6-Nov 8-Nov	9.1 - 9.4	Analyzing Relations Among Variables (I): cross tabulations, filtering, charts for contingency tables.	12			
12	M	11-Nov 13-Nov	9.5 - 9.8	Analyzing Relations Among Variables (II): scatterplots, computing and testing r.	13			
	F M	15-Nov 18-Nov		Analyzing Deletions, Among Variables (TTT): coefficient of determination, linear repression using Excel graphics				
13	W F	20-Nov 22-Nov	9.9 - 9 .12	Analyzing Relations Among Variables (III): coefficient of determination, linear regression using Excel graphics, ANOVA with regression, predicted values & confidence limits.	14			
	M W	25-Nov 27-Nov		THANKSGIVING VACATION				
	F M	29-Nov 2-Dec			50141			
14	W F	2-Dec 4-Dec 6-Dec	10	Analyzing Frequency Data: computing expected frequencies, chi-square goodness of fit, Excel =CHISQ.TEST function, tests of independence using chi-square.	FINAL EXAM			
	Final exam due 23:55 WED 11 DEC 2019							