

Columbia University Graduate School of Business

EMBA - 2005-C and D

Managerial Statistics - B7014

**Revised Schedule of Topics and
Assignments**

*What We Are Going To Do
And When Are Going To Do It*

Spring Semester 2004

Professor Donald L. Pardeew



7. Schedule of Lecture Topics, Readings and Assignments

<u>Session</u>	<u>Date</u>	<u>Topic</u>	<u>Reading</u>	<u>Chapts</u>	<u>Sections</u>
Session 1-2	Jan 13	Descriptive statistics: univariate	McClave	1, 2	all
		<i>Suggested Problems:</i> 2.5, 2.11, 2.15, 2.16, 2.26, 2.28 2.35, 2.36, 2.48, 2.52, 2.53, 2.60 2.61, 2.62, 2.68, 2.76, 2.83			
		<i>Required Problems (due Jan 16) :</i> 2.24, 2.27, 2.29, 2.45, 2.51, 2.63 2.69, 2.79, 2.86, 2.118			

Session 3	Jan 14	Descriptive statistics: univariate (con't)			
Session 4	Jan 14	Descriptive statistics: bivariate	McClave	10	1-2, 6-7
		<i>Suggested Problems:</i> 10.13, 10.14			
		<i>Required Problems (due Jan 23) :</i> 10.70, 10.80, 10.81			

Session 5-6	Jan 16	Descriptive statistics: bivariate (con't)	Paulos		1
	Jan 16	Ethical issues in quantitative analysis	Ethics case readings		
		↑ (Harrison House)			

		↓ (Warren Hall)			
Session 7-8	Jan 23	Elementary probability theory	McClave Paulos Bazerman	3 1, 2, 3	2
		<i>Suggested Problems:</i> 3.2, 3.13, 3.19, 3.23, 3.33 3.34, 3.44			
		<i>Required Problems(due Feb 06) :</i> 3.3, 3.4, 3.14, 3.30, 3.45 3.50, 3.69			

Session 9	Feb 06	Elementary probability theory (con't)	McClave	3	all
Session 10	Feb 06	Discrete probability distributions	McClave Paulos Bazerman	4 4	all 3
		<i>Suggested Problems:</i> 4.3, 4.5, 4.14, 4.23, 4.37, 4.40 4.54, 4.64, SIA 4.2 (Space Shuttle)			
		<i>Required Problems (due Feb 20) :</i> 4.33, 4.48, 4.50, 4.55, 4.73, 4.74			

Session 11	Feb 07	The normal distribution	McClave	5	all
		<i>Suggested Problems:</i> 5.14, 5.23, 5.35, 5.47, 5.50			
		<i>Required Problems (due Feb 20) :</i> 5.36, 5.59, 5.81, 5.96			
Session 12	Feb 07	Sampling distributions	McClave	6	all
		<i>Suggested Problems:</i> 6.8, 6.9, 6.17, 6.25, SIA 6.1 (<i>Reducing Risk</i>)			
		<i>Required Problems (due Feb 20) :</i> 6.47, 6.48, 6.49			
		Estimation theory: single parameters	McClave	7	all
		<i>Suggested Problems:</i> 7.3, 7.8, 7.20, 7.21, 7.25, 7.43			
		<i>Required Problems (due Feb 20) :</i> 7.62, 7.79, 7.92, 7.100			

Session 13	Feb 20	Hypothesis testing: single parameters	McClave	8	1-3
Session 14	Feb 20	Hypothesis testing: further issues	McClave	8	4-6
			Paulos		4
			Bazerman	5	
		<i>Suggested Problems:</i> 8.14, 8.15, 8.17, 8.26, 8.35 8.47, 8.54, 8.69, 8.71, 8.87			
		<i>Required Problems (due Mar 06) :</i> 8.106, 8.107, 8.114, 8.116			

	Mar 06	Midterm Exam	*****		

Session 15	Mar 19	Estimation theory: Mean differences	McClave	9	1
Session 16	Mar 19	Hypothesis testing: Mean differences	McClave	9	2-4
			Paulos		5
			Bazerman	6	
		<i>Suggested Problems:</i> 9.2, 9.3, 9.8, 9.19, 9.34 9.42, 9.49, 9.71, 9.73, 9.77			
		<i>Required Problems (due Apr 02) :</i> 9.87, 9.92, 9.104			

Session 17	Apr 02	Categorical data analysis	McClave	16	all
		<i>Suggested Problems:</i> 16.9, 16.21			
		<i>Required Problems (due Apr 17) :</i> 16.34, 16.42			
Session 18	Apr 02	Ethical issues in quantitative analysis	Ethics case readings Bazerman	7-9	

Session 19	Apr 03	Simple regression and correlation	McClave	10	all
		<i>Suggested Problems:</i> 10.18, 10.27, 10.35, 10.53, 10.64			
		<i>Required Problem (due Apr 17) :</i> 10.70, 10.80, 10.81			
Session 20	Apr 03	Multiple regression and correlation	McClave Bazerman	11 10	all
		<i>Suggested Problems:</i> 11.8, 11.9, 11.10, 11.59 11.66, 11.99			
		<i>Required Problems (due Apr 17) :</i> 11.120			

Session 21	Apr 17	Multiple regression (con't)	McClave	11	all
Session 22	Apr 17	A brief look at time series	McClave	13	(all lightly)
		<i>Suggested Problems:</i> 13.18, 12.37			
		<i>Required Problems:</i> None			

Apr 24	Final Exam		*****		
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