Columbia Business School

B7899 Applied Regression • Professor Juran

Syllabus

Date	Topics	Assignment Due
1. 5/17	Course Objectives & Description Review of Basic Statistical Ideas Simple Linear Regression Workshop: Stock Betas, All-Around Movers	
2. 5/18	Simple Linear Regression Bottom part of the output Hypothesis Testing of the slope and intercept Interval Estimation for the slope and intercept	Case: Stock Betas Case: All-Around Movers Also: Team Roster
3. 5/31	Workshop: Cigarettes (A), Insurance	
4. 6/14	Multiple Regression Analysis of Variance Middle part of the output Nonlinear Models More multiple regression Top part of the output	Case: Cigarettes (A) Case: Insurance Also: Project Proposal
5. 6/15	Qualitative Independent Variables Matrix algebra methods Residual Analysis Multicollinearity and other Problems	
6. 6/28	Workshop: Cigarettes (B), Cars (A) and (B)	
7. 6/29	Model Building Forecasting	
8. 7/12	Workshop: Artsy, Steam Plant	Case: Cigarettes (B) Case: Cars (A) and (B)
9. 7/27	TBA	
10. 8/2	Cluster and Discriminant Analysis Binary Dependent Variables	Case: Artsy Case: Steam Plant
11. 8/3	Student Project Consultations	
12. 8/16	Student Project Presentations	

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