	Adequeov	Mooko F 6	ſ
	Auequacy	VVEEKS D-D	
	2.1 Tests for Linearity		
	2.2 Tests for Normality		l
	2.3 Tests for		
	Homoscedasticity		
	2.4 Tests for		
	Independence		ł
	2.5 Outliers Deletion		ł
	2.6 Transformations		
	Quiz No. 2	1.5 hours /	ł
		Week 7	l
	3. Multiple Linear Regression	12 hours /	ł
	3.1 Motivation: Real-world	Weeks 7-	ł
	examples	11	ł
	3.2 The Multiple		ł
	Regression Model and		ł
	its Assumptions		ł
	3.3 Estimation of		ł
	Parameters		ł
	3.4 Using the Model to		l
	Make Predictions		l
	3.5 Hypothesis Testing and		l
	Confidence Intervals		l
	for		l
	3.6 Full versus Reduced		l
	Model: The F Test		
	4 Variable Selection and	3 hours /	
	Model Building	Weeks 11-	l
	1 1 Criteria for Selecting	12	
	4.1 Ontena for Selecting	12	
	MSE C and adjusted		ł
	R^2		
	4.2 Forward Selection,		
	Backward Elimination		
	and Stepwise		
	Selection Procedures		
	Quiz No. 3	1.5 hours /	l
		Week 12	
I	5. Issues in Regression	1.5 hours /	I
	Modeling (Optional)	Week 13	
		WOOK 10	

Online Resources

Big Data Analytics, Enterprise Analytics, Data Mining Software, Statistical Analysis, Predictive Analytics. Accessed October 15, 2012 from:<u>http://www/statsoft.com</u> Chen, X., Ender, P., Mitchell, M. and Wells, C. (2003).