

ST 512 Winter 2015 Draft Scheulde

<b>Week</b>	<b>Date</b>	<b>Monday</b>	<b>Wednesday</b>	<b>Lab</b>	<b>Friday</b>	<b>Assessment</b>
1	Jan 5	Syllabus + some review	SLR Review	Residual plot review	Multiple explanatories + Indicators	
2	Jan 12	Intro to Multiple regression	Another example <b>HW #1 due</b>	Specifying regression models in R	Inference on single coefficients	
3	Jan 19	<b>MLK Jr Day</b>	Linear combinations and predictions <b>HW#2 due</b>	Inference on parameters & models in R	<b>Quiz #1 in class</b> Indicator variables, finding models for the mean, finding effects, reasoning about parameters.	
4	Jan 26	Inference on multiple coefficients	Wrap up inference <b>HW #3 due</b>	Estimated means and predictions in R	Different parameterizations + Model checking and refinement	
5	Feb 2	Case Influence statistics	Partial residuals <b>DA #1 due</b>	Partial residuals and case influence		<b>Quiz #2 online</b> Inference in multiple linear regression models, model checking

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6	Feb 9	Two way ANOVA example 2	More two way ANOVA <b>HW #4 due</b>	Summarizing two way data in R	Multifactor studies without replication	
7	Feb 16	Multifactor studies without replication example 2	Variable selection <b>HW #5 due</b>	Model selection in R	Variable selection example 2	<b>Quiz #3 online</b> Two way and multiple factor studies.
8	Feb 23	More on variable selection	Serial correlation <b>DA #2 due</b>	Serial correlation in R	Serial correlation 2 <b>Regression in your field assignment due</b>	
9	Mar 2	Serial correlation 3	Multivariate responses <b>HW# 6 due</b>		Hotellings T <sup>2</sup>	
10	Mar 9	More multivariate response	Review		Review	<b>Final Exam Thursday March 19<sup>th</sup> noon</b>