Introduction to Data Science - North Salem High School

David Moste

Unit	Modeling in Data Science
Lesson	**Topic:** Linear Regression Practice **Content:** Linear Regression
Learning Target(s)	I am able to use R to confidently create a linear regression to analyze a dataset and situation.
Standard(s)	*9-12.CT.1 Computational Thinking, Modeling and Simulation* *9-12.CT.2 Computational Thinking, Data Analysis and Visualization* *9-12.CT.3 Computational Thinking, Data Analysis and Visualization*
Accompanying Documents	Lesson Slides Lab Activity
Homework	None!

Lesson Plan	
Warm Up	**5 mins**
What is the conceptual meaning of R^2?	
Lesson Body	**30 mins**
Lab Activity: Students will complete a lab on linear regression using the nilt dataset. This lab will be done in pairs so that both students have the opportunity to write code, but also have a partner to bounce ideas off of.	
Exit Ticket	**5 mins**
Describe a scenario in which you would NOT want to use linear regression.	