

Introduction to Data Science - North Salem High School

David Moste

Unit	Modeling in Data Science
Lesson	Topic: Linear Regression Coding Content: Linear Regression
Learning Target(s)	I know how and am able to create a linear regression using R.
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 Datasets WS
Homework	R Squared Video and Reading

Lesson Plan	
Warm Up	5 mins
What is the appropriate syntax for creating a linear regression in R for the height of people based on weight from the people dataset?	
Lesson Body	30 mins
Student Activity: Students will practice coding linear regressions in R by writing code to create and visualize linear regressions for the same datasets from the previous day. This time, instead of using Google Sheets to create the linear regressions, students will use R. Students will work on this lab in pairs so that they are able to observe each other's code and help each other troubleshoot problems.	
Exit Ticket	5 mins

Which dataset that you used today is better for creating a linear regression? Explain why you believe this.