

Introduction to Data Science - North Salem High School

David Moste

Unit	Modeling in Data Science
Lesson	Topic: KNN Regression Content: KNN Coding
Learning Target(s)	I know and understand what KNN is and how it can be used.
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	KNN Video Homework

Lesson Plan	
Warm Up	5 mins
What is the syntax for creating a KNN regression in R?	
Lesson Body	30 mins
Student Activity: Students will practice coding KNN 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 KNN 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
What are some of the ways you changed the KNN parameters today?	

