Introduction to Data Science - North Salem High School

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Unit	Modeling in Data Science
Lesson	**Topic:** KNN Regression **Content:** KNN Practice
Learning Target(s)	I am able to refine the parameters within KNN regression in order to use KNN regression to predict values from a dataset.
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 KNN Lab
Homework	None!

Lesson Plan	
Warm Up	**5 mins**
What are some ways you can fine tune your KNN parameter choices?	
Lesson Body	**30 mins**
Lab Activity: Students will complete a lab on KNN regression. The lab is an open source lab for R and data science. 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**
Did you complete the first half of the lab?	