When your assignment is complete, please answer the questions in this text file and upload it to I-Learn.

1. Please describe your experiment/results for the Vowel dataset. How many different parameters did you try? What was the highest accuracy you obtained, and what were the parameters that produced it?

* I tried the minimum of 10 different parameters, I made a loop that made it possible to change the variety of parameters and how they increment.
* Accuracy:
  + FALSE: 0.012
  + TRUE: 0.987
* Agreement: 978
* Cost: 1
* Gamma: .11

2. Please describe your experiment/results for the Letters dataset. How many different parameters did you try? What was the highest accuracy you obtained, and what were the parameters that produced it?

* I tried the minimum of 10 different parameters, I made a loop that made it possible to change the variety of parameters and how they increment.
* Accuracy:
  + FALSE: 0.02175
  + TRUE: 0.02175
* Agreement: 19565
* Cost: 1
* Gamma: .11

3. Describe anything you did to go above and beyond the minimum standard requirements.

* To go above and beyond I created a function to setup the data and a function to make the data into a model that outputs the optimal parameters.

4. Please select the category you feel best describes your assignment:

A - Some attempt was made

B - Developing, but significantly deficient

C - Slightly deficient, but still mostly adequate

D - Meets requirements

E - Shows creativity and excels above and beyond requirements

5. Provide a brief justification (1-2 sentences) for selecting that category.

* I spent a good amount of time trying to get my functions to work for the svm. I also implemented one hot encoding on the vowels data dplyr.