Team	Ideal Score	Wid Sogata and James Tsai Lending Club Score	Instructor Notes
Total Points	10	9.8	
Total Percentage	100	0.98	
Create a logistic regression model and a support vector machine model for the classification task involved with your dataset. Assess how well each model performs (use 80/20 training/testing split for your data). Adjust parameters of the models to make them more accurate. If your dataset size requires the use of stochastic gradient descent, then linear kernel only is fine to use.	50	50	> This looks good. I wonder how a non-linear kernel might help your classifications task.
Discuss the advantages of each model for each classification task. Does one type of model offer superior performance over another in terms of prediction accuracy? In terms of training time or efficiency? Explain in detail.	10	10	Looks good.
Use the weights from logistic regression to interpret the importance of different features for each classification task. Explain your interpretation in detail. Why do you think some variables are more important?	30	30	Nice
Look at the chosen support vectors for the classification task. Do these provide any insight into the data? Explain. If you used stochastic gradient descent (and therefore did not explicitly solve for support vectors), try subsampling your data to train the SVC model— then analyze the support vectors from the subsampled dataset.	10	8	Good, but I think the point of this exercise was mis understood. Essentially this method allows you to estimate feature relevance when using a non-linear (or linear) kernel. The change in the overall distribution is a rough indicator of how influential the variable is. > I wanted to see a bit more discussion here. Code looks good.