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DEC130 HW2

Thought Behind Logistic Regression HW

My process behind the Logistic Regression HW was mostly spent on debugging errors and finding out how to do certain functions. After quickly scanning the python notebook on Logistic Regression, I tried looking at other online resources that could give me more details and information that could help me figure out how to do it. There wasn’t anything helpful in all the websites that I looked at. I then just tried copy pasting the code from the titanic example and modifying it for the homework. I was immediately stopped at the plot\_me function because of the errors it kept giving me that never was a problem for other classmates. Had to wait for Sir to fix the bugs in the plot\_me function as well as one line of code (telco\_df.TotalCharges = pd.to\_numeric(telco\_df.TotalCharges, errors='coerce')) that I was missing, although it wasn’t a problem for the others. The rest of the code then was a series of debugging and asking for help on functions and some concepts in data science. Honestly, I didn’t expect the implementation of the concepts to be very tailored to each person’s process of getting the answers, such that some errors could only appear on one’s device and that there’s a lot of things one needs to understand and know before being able to progress at all in the solving.

Anyhow, with the help of Sir, I was able to finally properly fit the model to the training data, as well as use the trained model to predict on the test data. From what I understood, the absence or presence of certain data trains the model of the Logistic Regression, and I think I did only include the relevant data columns of the telco for it to fair well. With pretty good accuracy on the training set.

