Pluralsight Modeling Test

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**Comments**

I wanted to do a quick writeup to explain precisely what I am turning in for this assignment. I will email a version of this document to Scott when I’m ready to turn everything in, and I will also include it in the repo that gets deployed to github.

All relevant content for evaluating this project should be contained in /PROJECT DELIVERABLES.

You’ll notice that my project was written mostly in R, while the instructions indicated that it should be written in Python 3. I know that I have more expertise when it comes to R, so I thought that I would be more able to fulfill the non python-related requirements of this assignment by building the model in R (critical thinking, data cleaning, and applied analysis).

However, my attempt at reconciling this was to create a jupyter notebook that “productionizes” the model originally developed in R. My hope is that this can be seen as a simple way of prototyping in R, but still productionizing in Pluralsight’s preferred language for deploying ML models.

**Project Summary**

-**model.html** is the rendered RMarkdown document that shows the cleaning and exploration of data, as well as the model building process. I tried to be very thorough with my comments here to explain my thought process and decisions. I apologize for the choppiness of some of the comments, it’s hard to know how line breaks in the editor will translate into the rendered document.

-**productionize.pdf** is the productionization of the model in python. It reads in the h2o model that was created in the R environment, prepares the data, and then generates and saves predictions.

-**results.xlsx** is the predictions from the final model applied to the testing dataset