UDACITY

Back to Machine Learning Engineer Nanodegree

Building a Student Intervention System

REVIEW

HISTORY

Meets Specifications

Good job in general!
Please read the feedback I gave you because I was hoping to see better results, but Udacity didn't let me to reset that V, check my feedback, and congrats on finishing with this assignment :)

Classification vs Regression

Student is able to correctly identify which type of prediction problem is required and provided reasonable justification.

Good work!

Exploring the Data

Student response addresses the most important characteristics of the dataset and uses these characteristics to inform their decision making. Important characteristics must include:

- Number of data points
- Number of features
- Number of graduates
- Number of non-graduates
- Graduation rate

Nice job!

Preparing the Data

Code has been executed in the iPython notebook, with proper output and no errors.

Good work!

Training and test sets have been generated by randomly sampling the overall dataset.

Good job!

Training and Evaluating Models

Three supervised models are chosen with reasonable justification. Pros and cons for the use of each model are provided, along with discussion of general applications for each model.

Please list out all references you use while stating your pros and cons for the various models.

Nicely done!

All the required time and F1 scores for each model and training set sizes are provided within the chart given. The performance metrics are reasonable relative to other models measured.

Well done!

Choosing the Best Model

Justification is provided for which model seems to be the best by comparing the computational cost and accuracy of each model.

Good job!

Student is able to clearly and concisely describe how the optimal model works in laymen terms to someone what is not familiar with machine learning nor has a technical background.

Well done!

The final model chosen is correctly tuned using gridsearch with at least one parameter using at least three settings. If the model does not need any parameter tuning it is explicitly stated with reasonable justification.

The F1 score is provided from the tuned model and performs approximately as well or better than the default model chosen.

Good effort here!
Unfortunately, I can't fail you on this one because it was already marked as passed (Udacity's systems are sometimes a bit stupid)
I would have expected to hear your explanation, why did the training accuracy gone up and the test went down?

Quality of Code

Code reflects the description in the documentation.

Good job!

DOWNLOAD PROJECT

RETURN TO PATH

Rate this review

Student FAQ