



PROJECT

Titanic Survival Exploration

A part of the Machine Learning Engineer Nanodegree Program

PROJECT REVIEW

NOTES

SHARE YOUR ACCOMPLISHMENT!  

Requires Changes

1 SPECIFICATION REQUIRES CHANGES

Great work! There's just the small matter of explaining what you did to achieve over 80% accuracy (check my comments below for ideas on how to do that). I also discuss your scenario of supervised learning, as it is interestingly close to a common scenario of *unsupervised* learning. Keep it up and I'm sure you'll meet specifications in your next submission!

Answers to Each Question

The `predictions_0` function has been run and the accuracy of the predictions is reported.

The `predictions_1` function has been correctly implemented. The expected accuracy of the predictions is reported.

The `predictions_2` function has been correctly implemented. The expected accuracy of the predictions is reported.

The `predictions_3` function has been correctly implemented and obtains a prediction accuracy of at least 80%. The approach to the task has been documented, including features that were explored and intermediate steps taken to complete the function.

Great work achieving the required accuracy! However, here you should also mention how you got this result. Here are some questions that might help:

- What steps did you take when trying to solve this problem?
- Did you try any variables that didn't yield the expected results?
- Did you have a working hypothesis you tested, or did you "attack the data" right away?

Also, do you know SQL? Your answer does not look very pythonic to me, but it has a nice sql-ish feel :) In Python, I think the most common approach would be to use if-else statements here. (But you don't need to do it!)

A valid scenario where supervised learning can be applied is reported. A clear outcome variable and at least two potential predictor variables are identified as part of the description.

Assign retail customer to a segment based on the demographic features (age, sex, marital status and etc.) and shopping behavior (purchased product, purchase frequency, and etc.)

I think the most important word in your description is *assign*. If you have predefined segments and you wish to classify customers in one of them, this is definitely a supervised learning problem, since you can train your model with information of previously classified customers. Note, however, that if you wished to *create* segments based on customer information, this would be an *unsupervised* learning task, since you would have no previously classified data with which to train your model! But this is a digression: your answer meets specification here. :)

 RESUBMIT

 [DOWNLOAD PROJECT](#)

Learn the [best practices for revising and resubmitting your project](#).

Have a question about your review? Email us at review-support@udacity.com and include the link to this review.

RETURN TO PATH

Rate this review

[Student FAQ](#)