

PROJECT

Titanic Survival Exploration

A part of the Machine Learning Engineer Nanodegree Program

PROJECT REVIEW

NOTES

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Meets Specifications

Congratulations and welcome to the MLND!

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.

Very effective initial split.

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

Yes, we need to exclude the == 10 population. Please note it is a good practice to enclose conditionals in series with Boolean operators.

```
elif (passenger['Sex'] == 'male') and (passenger['Age'] < 10): # like this
```

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.

Notice that it is a lot of work to get a small lift. Another strategy is to create several orthogonal models using algorithms like Neural nets which diverge from trees. These can then be combined to boost the model without overfitting.



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.

Netflix also uses unsupervised clustering to group by customer type. This can be used to create features for other models.

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