UDACITY

PROJECT

Titanic Survival Exploration

A part of the Machine Learning Engineer Nanodegree Program

PROJECT REVIEW

NOTES

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Meets Specifications

Welcome to the MLE ND! Keep up the momentum!

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.

Good first step towards building an accurate decision tree. Note how much information and performance we gain at this early step.

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

Excellent work using np.where to implement the age split. Consider the storing conditions in variables to make code more readable.

```
my_cond1= thisvar > thatvar
my_cond2= this_var > thatothervar

np.where(mycond1 & mycond2, 0,1)
```

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.

Excellent work building and documenting this final version of the predictor. Notice how our first spits yield a lot of information and performance gain but as we move down this diminishes. This is how decision trees end up 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.

Great scenario! Both sets of predictor variables seem like good picks for this task.

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