



## PROJECT

## Titanic Survival Exploration

A part of the Machine Learning Engineer Nanodegree Program

## PROJECT REVIEW

## NOTES

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## Meets Specifications

Please consider the following link that includes many model solutions for the Titanic dataset: <https://www.kaggle.com/c/titanic/kernels>

## Answers to Each Question

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

The `predictions_0` function provides the appropriate accuracy.

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.

Well done for using the appropriate conditioning that provides the appropriate accuracy.

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.

It is a good approach to consider different subcategories that might increase the overall information of the model. Did you try to consider subcategories with low survival rate? For example

```
if (passenger['Sex'] == "female"):
    if (passenger['Pclass'] < 3):
        predictions.append(1)
    elif (passenger['Age'] > 40):
        predictions.append(0)
    else:
        predictions.append(1)
```

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.

You are correct, supervised learning can definitely be applied to predict adult height .

You might find this link useful, it includes different models implemented in Python. These models can be employed to solve different or even similar problems, [http://scikit-learn.org/stable/supervised\\_learning.html](http://scikit-learn.org/stable/supervised_learning.html)

When considering which model is more appropriate, this link can be very useful guideline [http://scikit-learn.org/stable/tutorial/machine\\_learning\\_map/](http://scikit-learn.org/stable/tutorial/machine_learning_map/)

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