

# Classification Models project

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**Due** Nov 17 by 11:59pm      **Points** 100      **Submitting** a file upload  
**Available** Sep 30 at 12am - Nov 30 at 11:59pm

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Dear students,

Please find details of the classification models project. The location for the dataset, data set description file and the project instructions are in:

Files --> Help --> Labs-->data-->Project3\_Classification\_Models

You may have already started using help from Tutorial\_6 in Labs on the dataset you used in the previous project(s). However, in addition, please follow the instructions on the dataset provided for this project. You may use help from Tutorial\_6. The more datasets you gain experience with, the deeper your insights are as each dataset is unique.

\*\*\* This tutorial Tutorial\_6 has examples for all Classification Models. Hence get started with Decision Trees and then keep doing other models one at a time. Submit after all classification models are taught. \*\*\*

Please create a one or two page report summarizing the key approaches, decisions and findings.

The Rubric is as follows:

(It is important to have insights in differences between different datasets)

1. Running classification models we learned using help from Tutorial\_6 on your dataset: 10%
2. Feature selection and Data splitting on the provided dataset: 25%
3. Running the classification models on the provided dataset: 25%
4. Performing accuracy analysis and comparing the models on the provided dataset: 25%
5. Any Visuals: 5%
6. Report: 10%

Cheers,

:)

Jagan

Some Rubric		
Criteria	Ratings	Pts
Classification model on your own dataset Running classification models using tutorial 6 on your own dataset		10 pts
Classification model on provided dataset		25 pts
Feature Selection and Data Splitting		25 pts
Accuracy analysis Correctly calculating and comparing accuracy.		25 pts
Visuals Visualizations that makes results more readable and interpretable.		5 pts
Report		10 pts
Total Points: 100		