FATE OF INNOCENT PETS

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AGENDA

- Problem statement
- Python Packages used
- Algorithm
- output
- Comparison table
- Execute the Code

Problem Statement

- The data comes from an animal center dated October 1st, 2013 to March, 2016. Outcomes represent the status of animals as they leave the Animal Center. All animals receive a unique Animal ID during intake.

  You are going to predict the outcome of the animal as they leave the Animal Center. These outcomes include: Adoption, Died, Euthanasia, Return to owner, and Transfer.

  The train and test data are randomly split.

  File descriptions:

  Train.csv- the training set

  Test.csv- the test set

  sample submission.csv - a sample submission file in the correct format

Python Packages used

- numpy
- pandas
- seaborn
- matplotlib
- sklearn
- scipy
- metrics:
- accuracy score
- confusion matrix
- classification report
- precision score

Algorithm

- Linear Discrimination Analysis
- Support Vector Machine
- Random Forest
- Decision Tree
- Quadratic Discrimination Analysis
- Gradient Boosting Classification

- ml: Code
  ml: Submission Output

- ml

THANK YOU