

Predict Animal Outcome

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Abstract

This paper seeks to improve and/or better understand the outcomes for sheltered animals in the Austin Animal Center. Ultimately, with the use of Python, we aim to predict the outcome for each animal (adopted or euthanized). This information could help the shelter better understand trends in animal outcomes and create effective plans of action.

We are using a dataset provide by the Austin Animal Center. This particular dataset includes the following information: breed, color, sex, and age for each animal taken-in by the shelter.

We will begin the mining process by exploring the data, understating observations and variables, identifying missing values, and overall prepping and cleaning the data. Then, we focus our efforts on analyzing the data by determining trends and relationships, interactions, and distributions.

Once the data are cleaned and prepped, we will execute logistic regression to predict the outcome of specific animals. This paper will further outline the process, code, challenges, exploration, and conclusions therein.

Methods and Code

PROBLEMS AND Challenges

Data Exploration/Analysis

Interpretation and Conclusions

APPENDIX