Passion for Paws

Benjamin Lin

Austin Animal Center

Austin Animal Center

Austin Animal Center

ADOPT
ME

Potential Solution

Potential Solution

Short Section (0-4 days)	Medium Section (5-9 days)	Long Section (10 - 14 days)

Potential Solution

Short Section (0-4 days)	Medium Section (5-9 days)	Long Section (10 - 14 days)
- Email newsletters	Email newsletters	+ Email newsletters
- Grooms / walks	Grooms / walks	+ Grooms / walks
- Instagram posts	Instagram posts	+ Instagram posts

Process

- Feature Engineering:
  - Converted 1,600 breeds to 11 categories
  - Converted 410 colors to 9 colors

Process

- Feature Engineering:
  - Converted 1,600 breeds to 11 categories
  - Converted 410 colors to 9 colors
- Model Selection:
  - Used Pipeline and GridsearchCV to optimize for hyperparameters
  - XGBoost Classification performed the best on CV training set and test set (0.67 accuracy)

Process

- Feature Engineering:
  - Converted 1,600 breeds to 11 categories
  - Converted 410 colors to 9 colors
- Model Selection:
  - Used Pipeline and GridsearchCV to optimize for hyperparameters
  - XGBoost Classification performed the best on CV training set and test set (0.67 accuracy)
- Deployment:
  - Used Flask to create an interactive webpage for prediction

Short Section (0-4 days)
- Email newsletters
- Grooms / walks
- Instagram posts

Thank You!

Benjamin Lin

Email: benlin100@gmail.com
LinkedIn: linkedin.com/in/benjaminlin24/
Github: github.com/benlin100