Finding Homes for Fuzzy Friends

Using AI to connect owners with unwanted dogs and cats



OUR TEAM



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INTRODUCTION

Overview of Problem, Company, & Opportunity

03

Results

Analysis of Findings



Data & Methods

Our Solution to the Problem

04

CONCLUSION

Recommendations & Future Research







You cannot share your life with a dog...or a cat, and not know perfectly well that animals have personalities and minds and feelings.



— Jane Goodall

O1Introduction

Overview of Problem, Company, and Opportunity

In 1 year,

An average of

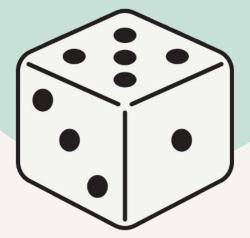
6,300,000

Dogs & cats enter U.S. animal shelters.

930,000

Shelter animals euthanized.

1 in 6



PetFinder.my

"eBay for Animals"

Unwanted Pets

- Strays
- Babies
- Shelters





Loving Families

- Educated
- Trustworthy



OPPORTUNITY

Cuteness Meter

Software that scores photo attractiveness based on composition





67

02Data & Methods

Our solution

DATA

Images

Image of the animal per listing

Metadata

Metadata on the image per listing

Popularity

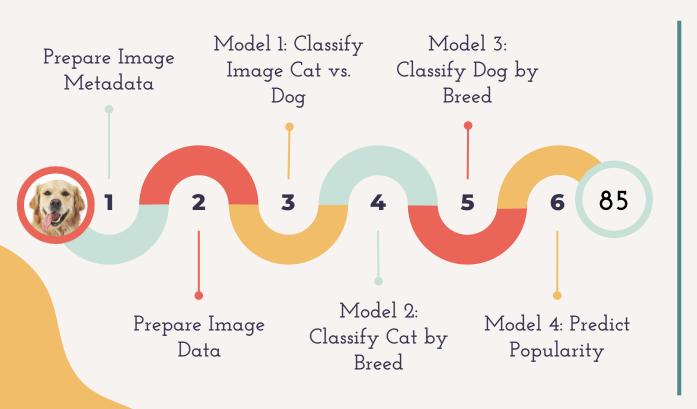
How popular the listing was based on page view statistics



- Eyes?
 - Blur?
 - Human?

= 1 to 100

MODELING



- 1 & 2. Prepare Data
- 3. Dog
- 4. [Skip]
- 5. Golden Retriever
- 6. Predict Score

03 Results

Analysis of Findings

Within 5%

Of Current Best Solution

INFOGRAPHICS

Most Common



Egyptian Cat, Above 10% of Listings

Most Sought-After



Golden Retriever, Mean Score of 79

Most Variable



Border Collie, Std. Dev. of 34

04 Conclusions

Recommendations & Future Research

SHORTCOMINGS

- Data Limitations Beyond the Picture
 - O Location?
 - o Gender?
- Computational Limitations
 - Funding for GPU Power (AWS)
 - More powerful models



FUTURE RESEARCH

- Stacking more models
- Detect various biometric attributes
 - Health
 - Age
- Detect design theory attributes
 - Symmetry
 - Color Balance





THANKS!

Do you have any questions?

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