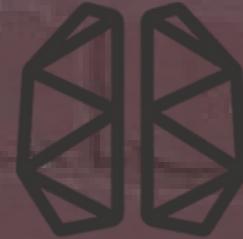




Predicting Adoptability

BRAINSTATION CAPSTONE



BrainStation

Autumn Salsberry



what's the sitch?

- Understaffed
- Overcrowded
- Underfunded



approximately
6.3 MILLION
companion animals
enter U.S. shelters
each year

FIVE STATES

account for most
euthanasia deaths of
shelter animals in the
U.S.



2.7 MILLION
animals are killed due
to overcrowding in
shelters



my solution



IMAGE

Same as
posting



KEY DETAILS

Description of the dog



PREDICTION

Likely to be adopted or not



DECISIONS

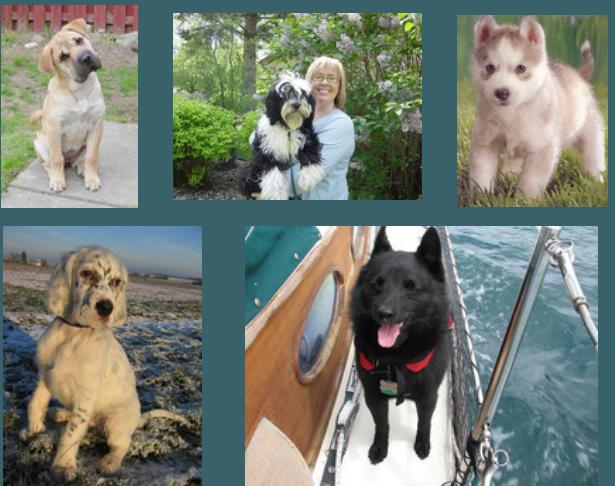
Allocate time and resources

Image Categorization

- 12x improvement

Adoptability

- 20% increase



shelter
input

Details

intake condition

age

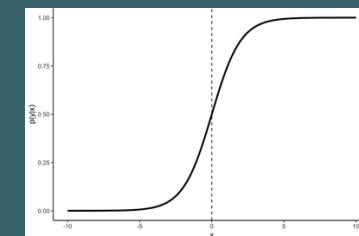
sex

—CNN→

breed
color



logistic regression



likely
adoptable



results



what's next?



users input images and
update when adopted

-
reinforced learning

Create an App



source more data from
around the world

Generalize



dog unlikely to be
adopted in shelter A
could have better
chances in shelter B

Connect Shelters



adopt, don't shop

please consider supporting
your local shelter



contact

[linkedin.com/in/salsbeas](https://www.linkedin.com/in/salsbeas)
salsbeas@gmail.com

data sources

Stanford Dog Images
Austin, TX Animal Shelter