

# SAVE THE FURBABIES

A Life or Death Predictor

Haley Boyan  
Data Science Immersive I  
General Assembly DC





# PROBLEM STATEMENT

Homeless animals are always at risk  
Some are more at risk than others  
Who is the most likely to need our help?



# GOALS

- FEATURES: Characteristics defining at risk pets
- VALUES: Which types are most at risk
- IDENTIFY: Neediest pets
- INTERFACE: Create a way to feature these pets

# SUCCESS

- Interface useful enough to be featured
- Model good enough to submit to Kaggle

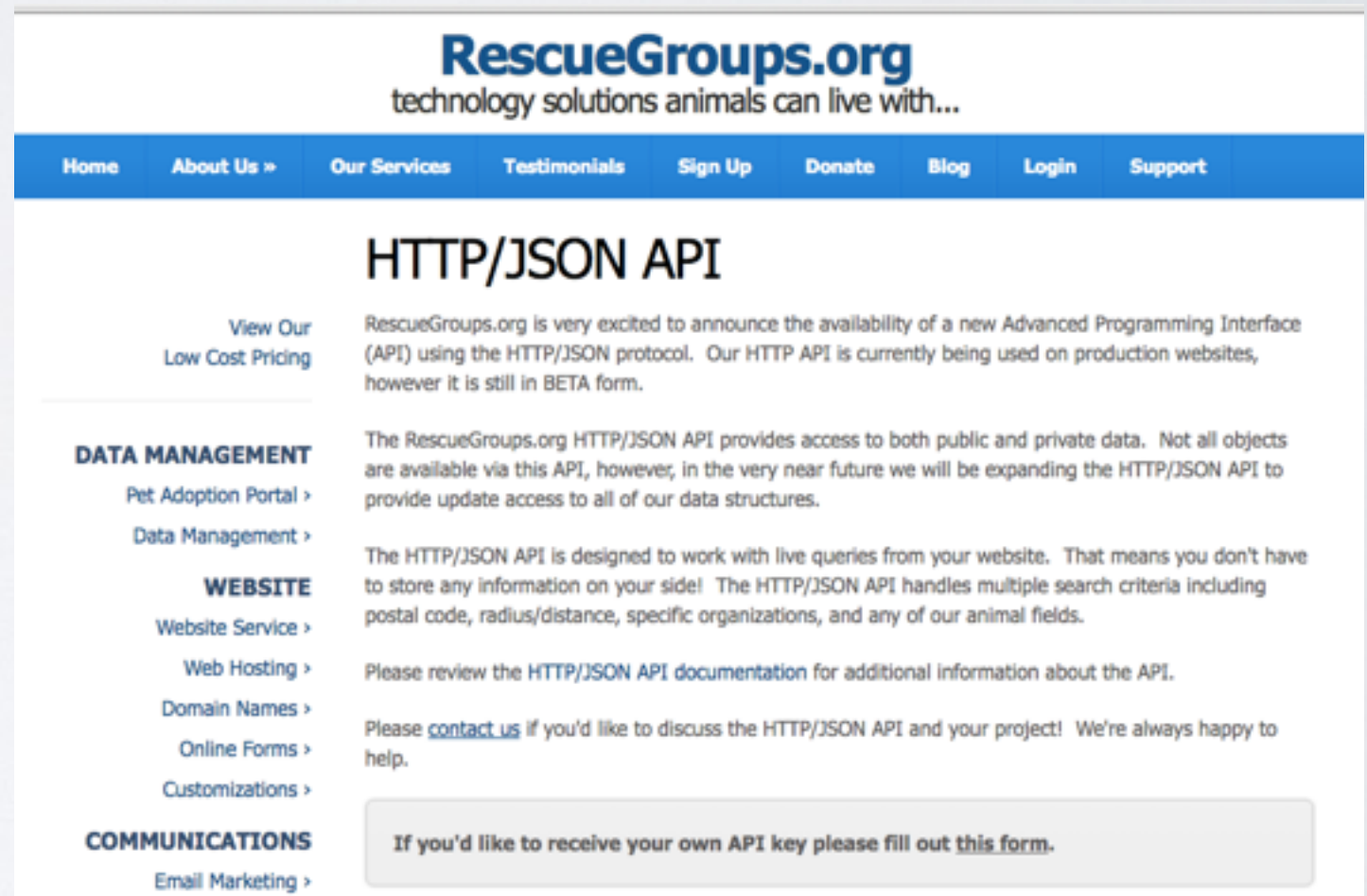
# INITIAL DATASET

- Kaggle: Shelter Animal Outcomes
- Dataset from Austin, TX animal rescue
- Features: Breed, Age, Sex, Color, Adoption date, etc.
- Target: Outcome (Adopted, Euthanasia...)



# CRITICAL DATASET

- [RescueGroups.org](https://RescueGroups.org)
- Need to explore, but has lots of data available
- API request in process



The screenshot shows the RescueGroups.org website. The header features the logo "RescueGroups.org" with the tagline "technology solutions animals can live with...". A blue navigation bar contains links: Home, About Us », Our Services, Testimonials, Sign Up, Donate, Blog, Login, and Support. The main content area is titled "HTTP/JSON API". It includes a section for "View Our Low Cost Pricing" and a sidebar with categories: "DATA MANAGEMENT" (Pet Adoption Portal >, Data Management >), "WEBSITE" (Website Service >, Web Hosting >, Domain Names >, Online Forms >, Customizations >), and "COMMUNICATIONS" (Email Marketing >). The main text describes the API's availability in BETA form, its access to public and private data, and its design for live queries. It also provides a link to the API documentation and a contact link for further discussion. A footer box contains a link to a form for receiving an API key.

**RescueGroups.org**  
technology solutions animals can live with...

Home About Us » Our Services Testimonials Sign Up Donate Blog Login Support

## HTTP/JSON API

RescueGroups.org is very excited to announce the availability of a new Advanced Programming Interface (API) using the HTTP/JSON protocol. Our HTTP API is currently being used on production websites, however it is still in BETA form.

The RescueGroups.org HTTP/JSON API provides access to both public and private data. Not all objects are available via this API, however, in the very near future we will be expanding the HTTP/JSON API to provide update access to all of our data structures.

The HTTP/JSON API is designed to work with live queries from your website. That means you don't have to store any information on your side! The HTTP/JSON API handles multiple search criteria including postal code, radius/distance, specific organizations, and any of our animal fields.

Please review the [HTTP/JSON API documentation](#) for additional information about the API.

Please [contact us](#) if you'd like to discuss the HTTP/JSON API and your project! We're always happy to help.

If you'd like to receive your own API key please fill out [this form](#).

**DATA MANAGEMENT**  
Pet Adoption Portal >  
Data Management >

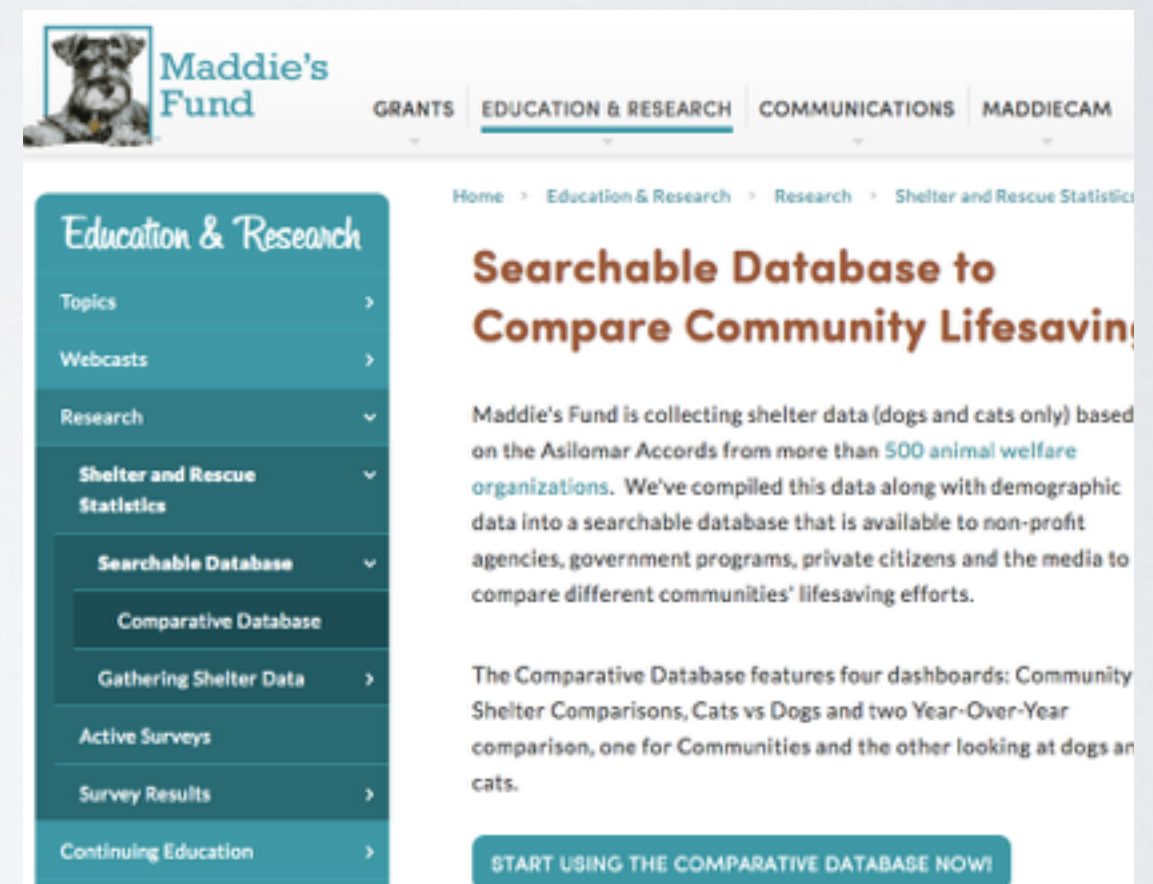
**WEBSITE**  
Website Service >  
Web Hosting >  
Domain Names >  
Online Forms >  
Customizations >

**COMMUNICATIONS**  
Email Marketing >



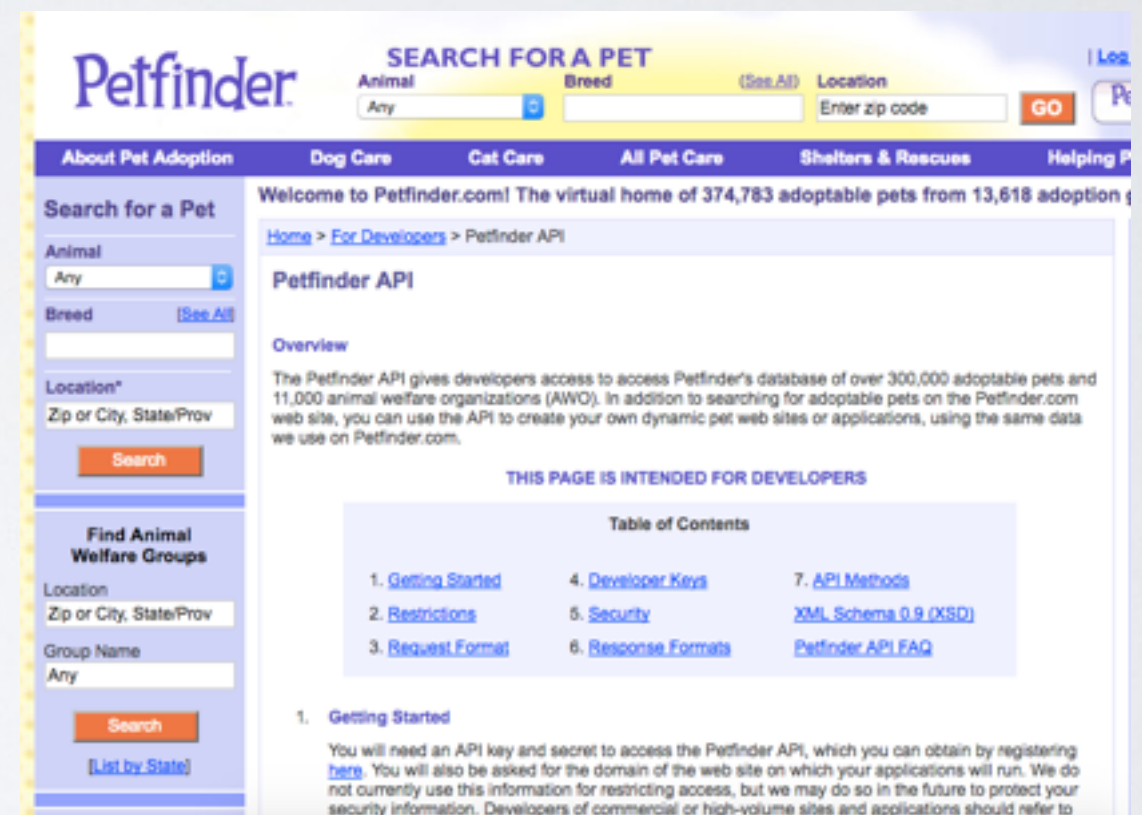
# OPTIONAL DATASET

- Maddie's Fund
- Aggregate shelter outcomes
- Gives idea of which shelters/rescues have better success rates



# APPLICATION DATASET

- petfinder.com API
- Python wrapper
- Characteristics of individual animals





# TARGET AUDIENCE

- Rescue groups
- Big hearted adopters

