

Animal Charity Evaluators



ANIMAL CHARITY EVALUATORS

Animal Charity Evaluators (ACE) is an altruism-focused organization and a leading non-profit charity evaluator in the US. Their mission is to help animals, one method being increasing the impact of donations to animal charities, and have an estimated influence of over \$30 million in the animal advocacy movement. They invest much into the research for top charities animal advocacy, publishing findings on their site (<https://animalcharityevaluators.org/>).

Project Description

This project will have two parts. Animal Charity Evaluators is looking to **develop analyses over 1. Global funding flows for charities and 2. Trends in effects on animals.** An HDAG team will tackle the goals sequentially, and the client is very understanding if some harder technological requests are out of reach (machine learning models, database integration to website).

1. **Create a database for ACE that visualizes the compiled list of grant websites, identifying which charities are receiving funding, how much, and from whom.** The first priority.
2. **Create a similarly updating database that integrates multiple sources that measure animals affected.** Measure and track variables such as population, weight, slaughter metrics, and such.

Internal Partners: Head of Data Analytics Division for ACE.

Datasets: Will be provided by ACE. For part 1, a compiled list of charity grant websites and information; for part 2, a compiled list of animal statistics websites.

Preferred Coding Languages: Any, Python

Specific Skills

1. **Data Analytics:** Identifying charity funding, sources, and visualizing such a network. Web scraping and automation are also helpful.
2. **Database Creation:** Integrating multiple sources of information into one pipeline for analysis and visualization.
3. **Machine Learning:** Second phase, developing a predictive model for animal statistics, ex. slaughter numbers, weight, and other factors.
4. **Data Visualization and Interpretability:** Creating useful and interactive visualizations to interpret the data. Communicating the limits of any model(s) to the client.

Expected Technical Difficulty: **Intermediate**