

Profiling Environmental Nonprofits in the State of Texas

1. Project background

In the next 30 years, Texas will experience more frequent and more extreme weather events. At the same time, Texas is experiencing explosive growth, and the state's population is projected to *double* by 2050. A fundamental challenge to ensuring Texas's future resilience is understanding current impacts, and projecting the effects, of climate change and population growth on the environment, infrastructure, society, and human health. Yet, understanding the threats is only the first step. Connecting and implementing solutions with a broad set of stakeholders working who work on the ground to address these challenges is critical.

One mechanism is working with nonprofits. There are nearly 50,000 nonprofits working in Texas, many of which are relevant for Planet Texas 2050 areas of focus. This challenge asks you to describe and visualize the profile and development of these environmental nonprofits.

2. Dataset information

- 2.1. A list of over 800 environmental nonprofits in Texas will be provided to you. It contains two columns: EIN, organization name.
- 2.2. 990 Forms. The machine-readable data, documentation, and usage examples of 990 Forms from 2013 to present can be accessed here: <https://registry.opendata.aws/irs990/>. You can use this dataset to profile all the environmental nonprofits in Texas.

3. Task Description

A throughout description of all the environmental nonprofits in Texas (i.e., the organization list). You can use the following methods (but not limited to) to describe these organizations:

- GIS, visualization of asset size, service areas, contact information, mission statement, etc.;
- Time-series descriptions showing their development;
- A fully functional platform for users to explore these nonprofits;
- Whether these organizations are serving the places/areas where need them most.

4. Contact

Please contact Yuntao Lu (yuntaolu@utexas.edu) regarding your team preparation or other questions.