# Grazioso Salvare Dashboard

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**Overview**

This interactive dashboard was developed for Grazioso Salvare to help identify ideal search-and-rescue dogs from shelter data in Austin, Texas. The dashboard is built using Dash (Plotly) and MongoDB, with backend CRUD integration.

**Features**

* View all animals in a scrollable, sortable, filterable table
* Filter dogs by rescue type (Water, Mountain/Wilderness, Disaster)
* Click to select a dog and zoom into their map location
* Click again to deselect
* Automatically clears selection when filters change
* Interactive charts:
  + Geolocation map
  + Outcome type pie chart

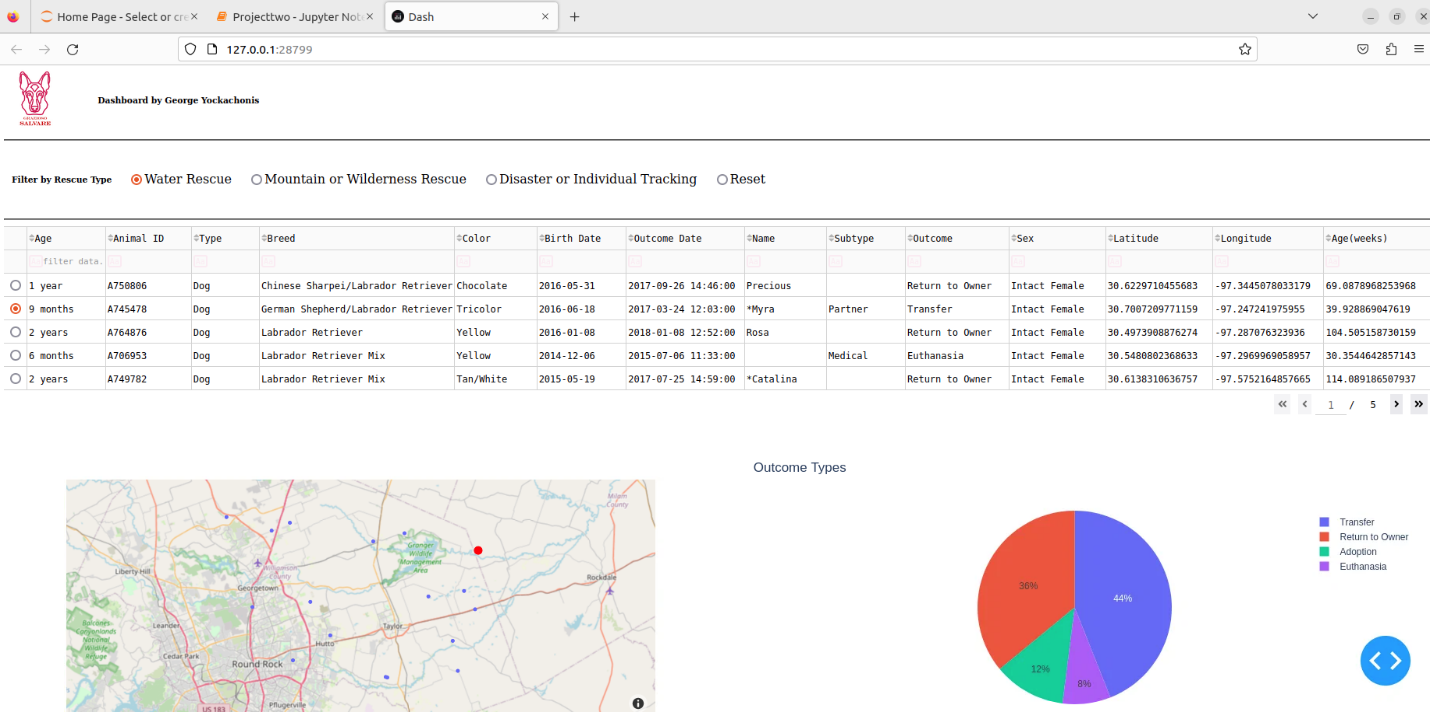
**Tools Used**

* **MongoDB**: Fast document-based database for flexible shelter records
* **Dash / Plotly**: Python framework for interactive web apps
* **Pandas**: Data wrangling and formatting
* **JupyterDash**: Used to run the dashboard in a Jupyter Notebook environment

**How to Run the Project**

1. Clone the repo or open the ProjectTwoDashboard.ipynb in Jupyter
2. Ensure MongoDB is running and the aac database is accessible
3. Open the notebook and run each cell in order
4. Interact with the dashboard and test the filters

**Screenshots**

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