# Grazioso Salvare Dashboard

### Project Overview

The **Grazioso Salvare Dashboard** is a Python-based web application developed in **Jupyter Notebook** to help identify dogs for search-and-rescue training. The dashboard interacts with a **MongoDB** database and provides interactive filtering, real-time data visualization, and CRUD functionality.

Features

* **Interactive Data Table**: Displays and filters animal records dynamically.
* **Filter Options**: Filter by Rescue Type (Water, Mountain, Disaster, Tracking) and Breed.
* **Geolocation Chart**: Visualizes animal locations.
* **Custom Chart**: Displays trends based on selected filters.
* **Reset**: Clears all filters and resets the view.

**Setup Instructions**

#### Prerequisites

* **MongoDB** installed locally or accessible remotely.
* Dataset imported into MongoDB.

#### Steps

**Clone the Repository**:

| git clone <repository-url> cd Grazioso-Salvare-Dashboard |
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**Install Dependencies**:

| pip install pymongo dash pandas jupyterlab |
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**Configure MongoDB**:  
Update animal\_shelter.py with database credentials:

| USER = "aacuser" PASS = "your\_password" HOST = "localhost" PORT = "27017" DB = "animal\_shelter" COLLECTION = "animals" |
| --- |

**Run the Dashboard**:

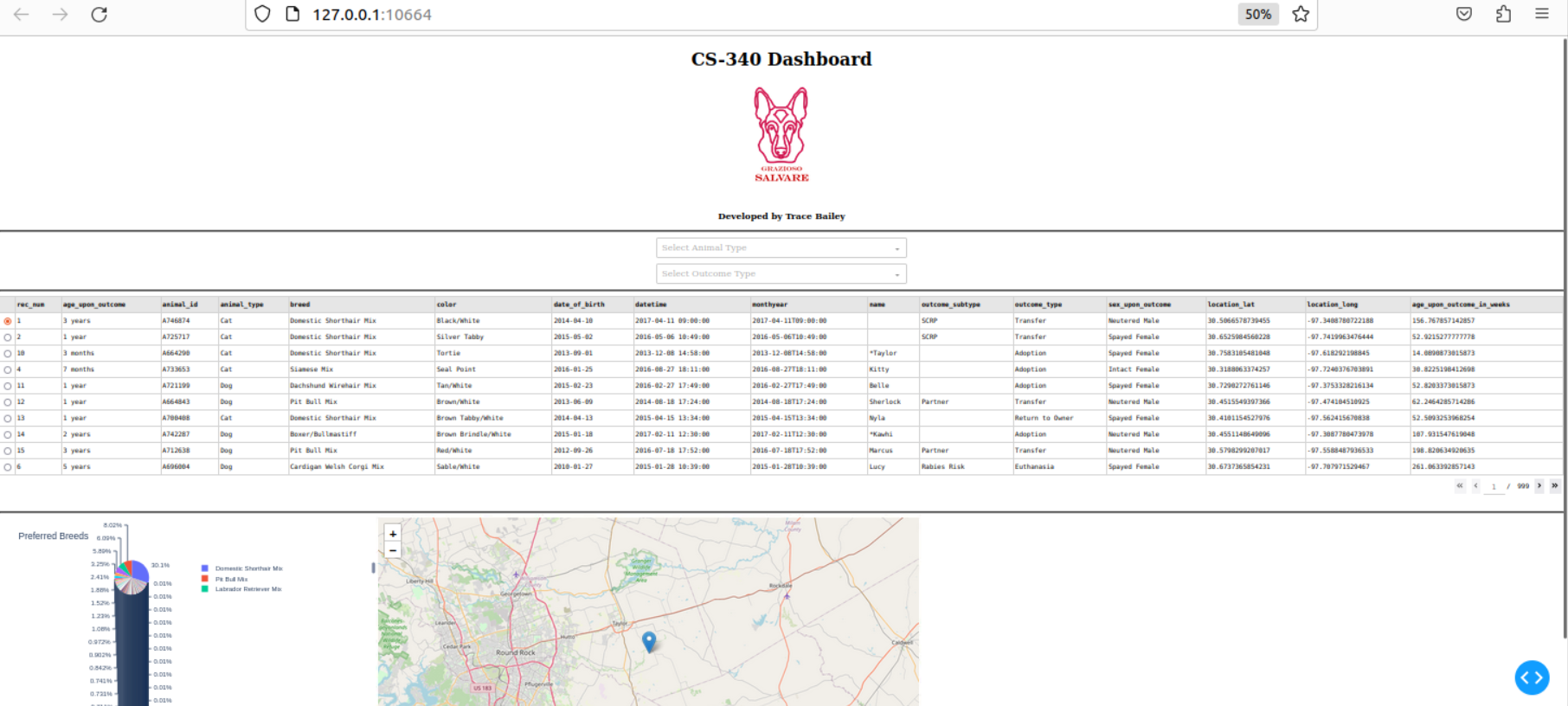
* Start Jupyter Notebook:

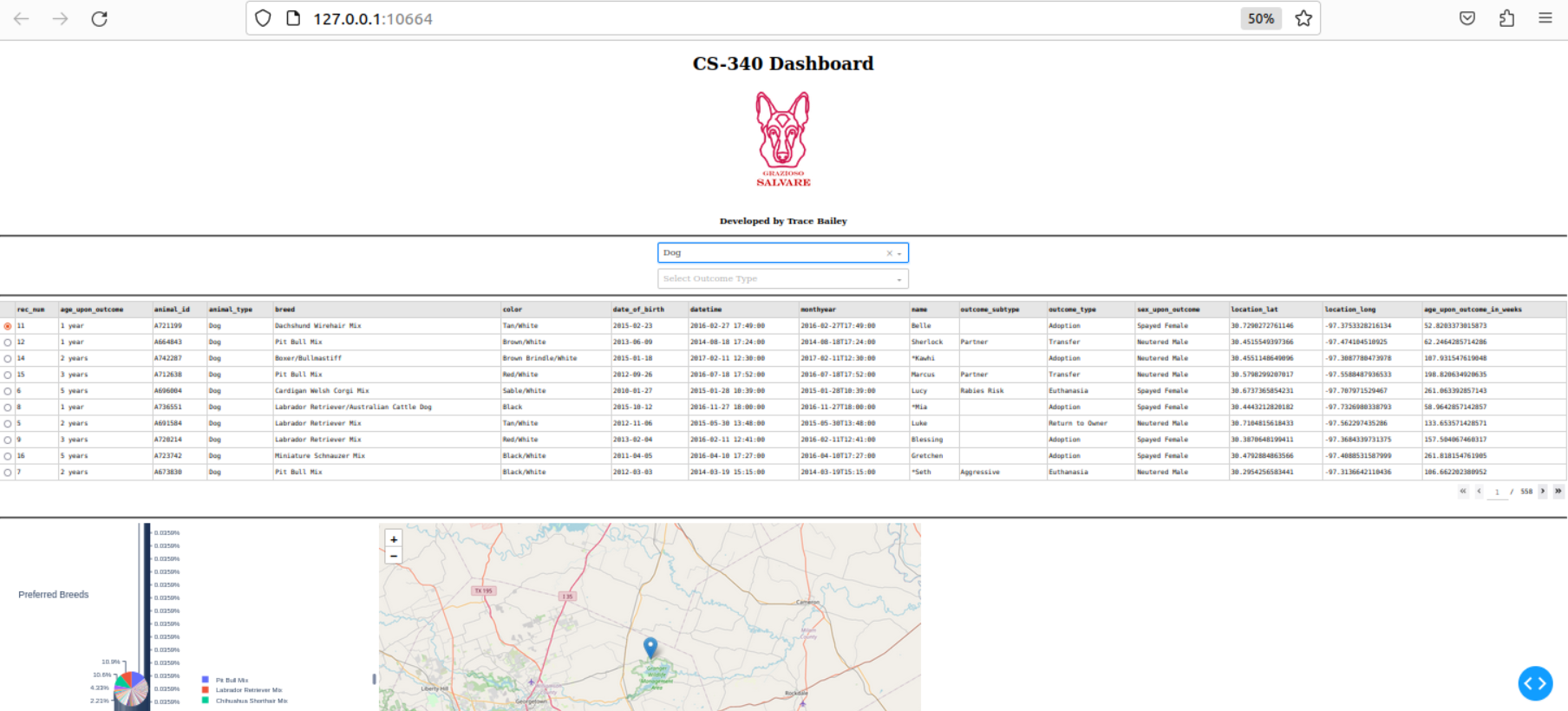
| jupyter notebook |
| --- |

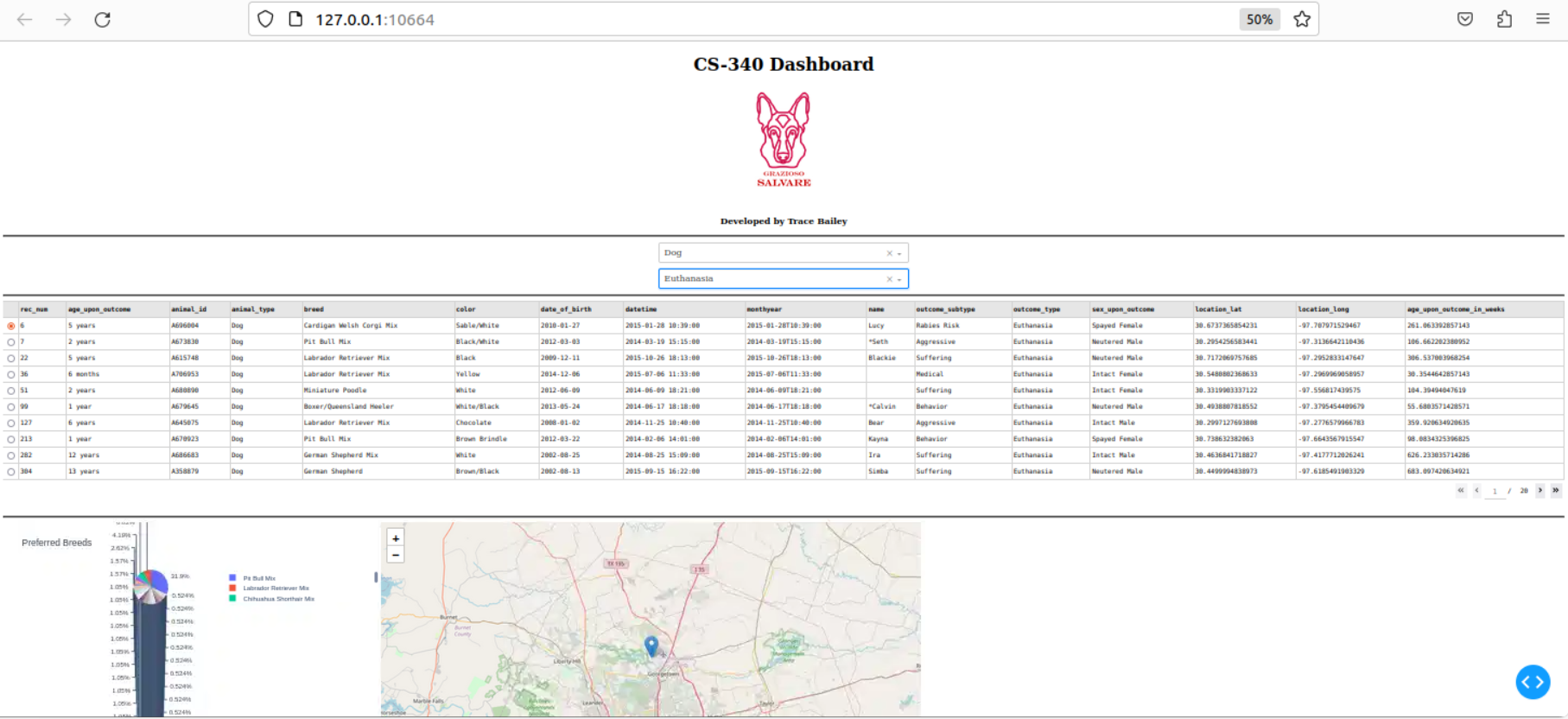
* Open ProjectTwoDashboard.ipynb and run all cells.

Tools Used

* **Python** with **Jupyter Notebook**
* **Dash** for the interactive dashboard
* **MongoDB** for database storage
* **PyMongo** for database interaction







### Contact

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