**Topic: Median Home Prices across the United States**

**GitHub Repository Link:**

[gotzx015/Project-2 (github.com)](https://github.com/gotzx015/Project-2)

**Group Members:**

John Gotz, Zach Liebler, Pete Anderson, Mitch Vogel, Jennie Cinelli

**Questions We Want to Answer:**

1. Where is the most/least expensive to live in the U.S.?
2. What is the trend in home prices from 2010 to 2020?
   1. What city/state has the sharpest growth in median home price?
3. What cities are the most/least expensive to live in the U.S?
4. Are there cities that differ significantly from the state median in home price?

**Outline of Project Steps:**

1. Use Pandas in Jupyter Notebook to load in CSV, remove unnecessary information, and create copy
2. Use SQLAlchemy’s create\_engine function to load cleaned dataframes into database
3. Use Pgadmin4 to create database for loading
4. Use HTML, CSS, and JavaScript to create website
5. Use D3, Plotly, Chart.js (js library), Leaflet to visualize the data

**Links to datasets:**

We have two datasets from [Housing Data - Zillow Research](https://www.zillow.com/research/data/)

* One state median home price csv file

Table

Description automatically generated

* One city median home price csv file

Table

Description automatically generated

**Inspiration/Dashboard sketch:**

* Inspiration Screenshots:

Chart, bar chart

Description automatically generated

Map

Description automatically generated

Map

Description automatically generated

* Website Sketch:

Graphical user interface, text, application, email

Description automatically generated