

BACKGROUND

- *No Limit Living* is a real estate investment firm focused on revitalizing communities
- To support this mission, we developed a website that presents key homebuyer-related statistics in an accessible way.

GOALS

- Determine whether a particular location is suitable for the user to invest(buy a home) in
 - List aggregate home related statistics
 - Create a model that gives an investment rating(1-100) to the user

CONCLUSIONS

- Data-driven real estate investment can empower underserved communities to have better knowledge of property prices.
- Data visualization improve investment decision-making by making trends easier to see.



RESEARCH METHODOLOGY

Data Collection

- Performed data collection for features such as average rent rate, median home value, and crime rate through web scraping of the FRED, Education Data Portal, US Census Bureau, and FBI websites
- The data is then stored in a MongoDB Cluster

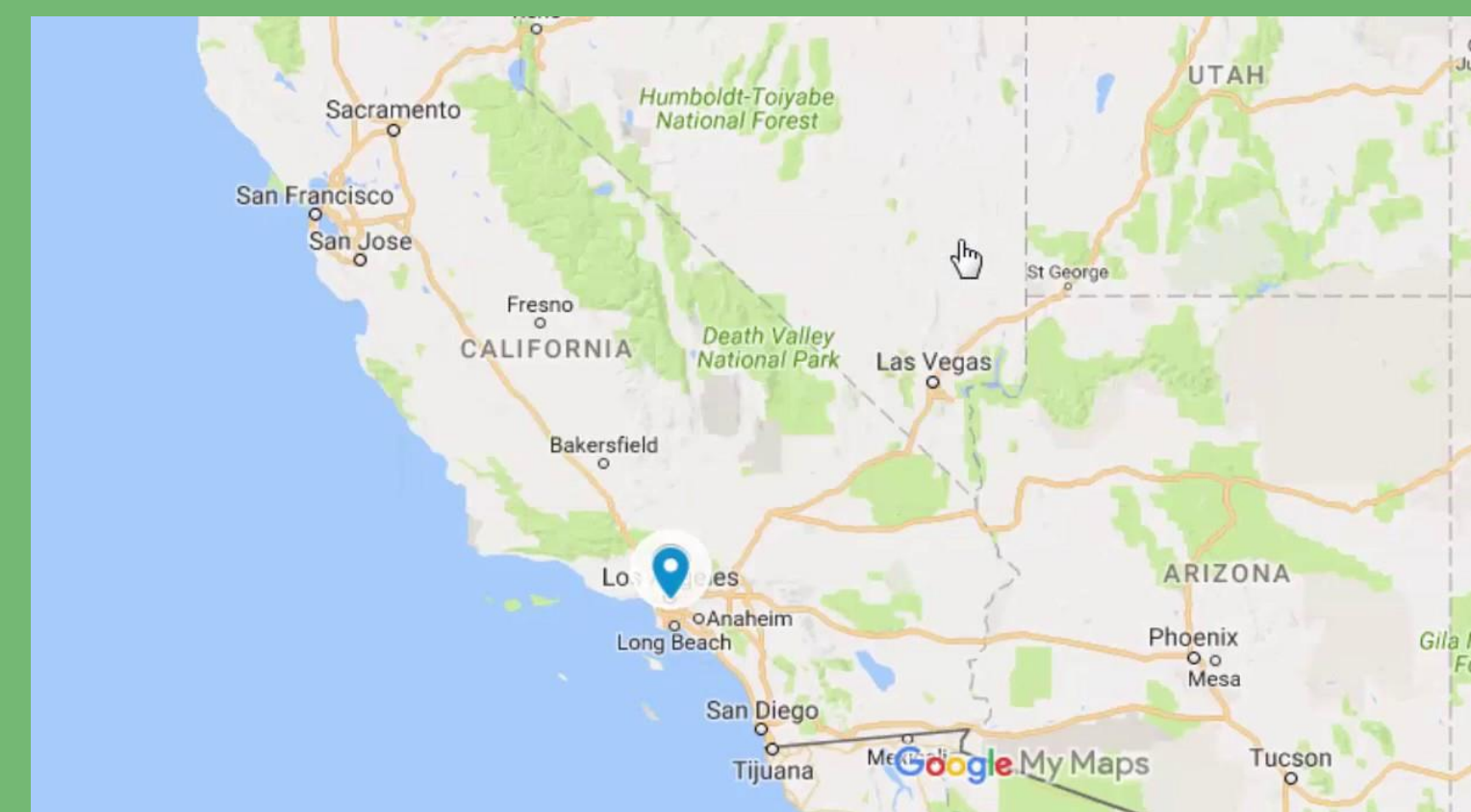
Presenting Data

- The website is built using React, providing an interactive and user-friendly interface.
- Users first select their State and County then important real estate statistics like median home value and population are displayed in two formats
- The first format is the latest values which helps users quickly gather info
- The second is a graph which shows past data that can help determine future trends

POPULATION FOR BROOKS COUNTY, GEORGIA Latest Value: 16,275	RENT RATES FOR BROOKS COUNTY, GEORGIA Latest Value: \$483.00	HOUSE RATES FOR BROOKS COUNTY, GEORGIA Latest Value: \$1,980.00
UNEMPLOYMENT RATES FOR BROOKS COUNTY, GEORGIA Latest Value: 4.9%	MEDIAN HOUSEHOLD INCOME FOR BROOKS COUNTY, GEORGIA Latest Value: \$42,263.00	PERCENTAGE OF PEOPLE IN BROOKS COUNTY, GEORGIA THAT HAVE A BACHELOR'S DEGREE OR HIGHER Latest Value: 22.2%
CRIME RATE FOR GEORGIA Latest Value: 18%	INVESTMENT SCORE IN BROOKS COUNTY, GEORGIA Value: 67.85%	NUMBER OF INSURED PEOPLE IN BROOKS COUNTY, GEORGIA Latest Value: 4,664

FUTURE GOALS

- **Machine Learning** -TensorFlow-based machine learning model that predicts future values and growth in a county
- Interactive Map - Interactive Map for user selection
- County Comparison - Compare the scores between multiple counties at once value
- Data Visualizations - Bar charts comparing scores in each county



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