

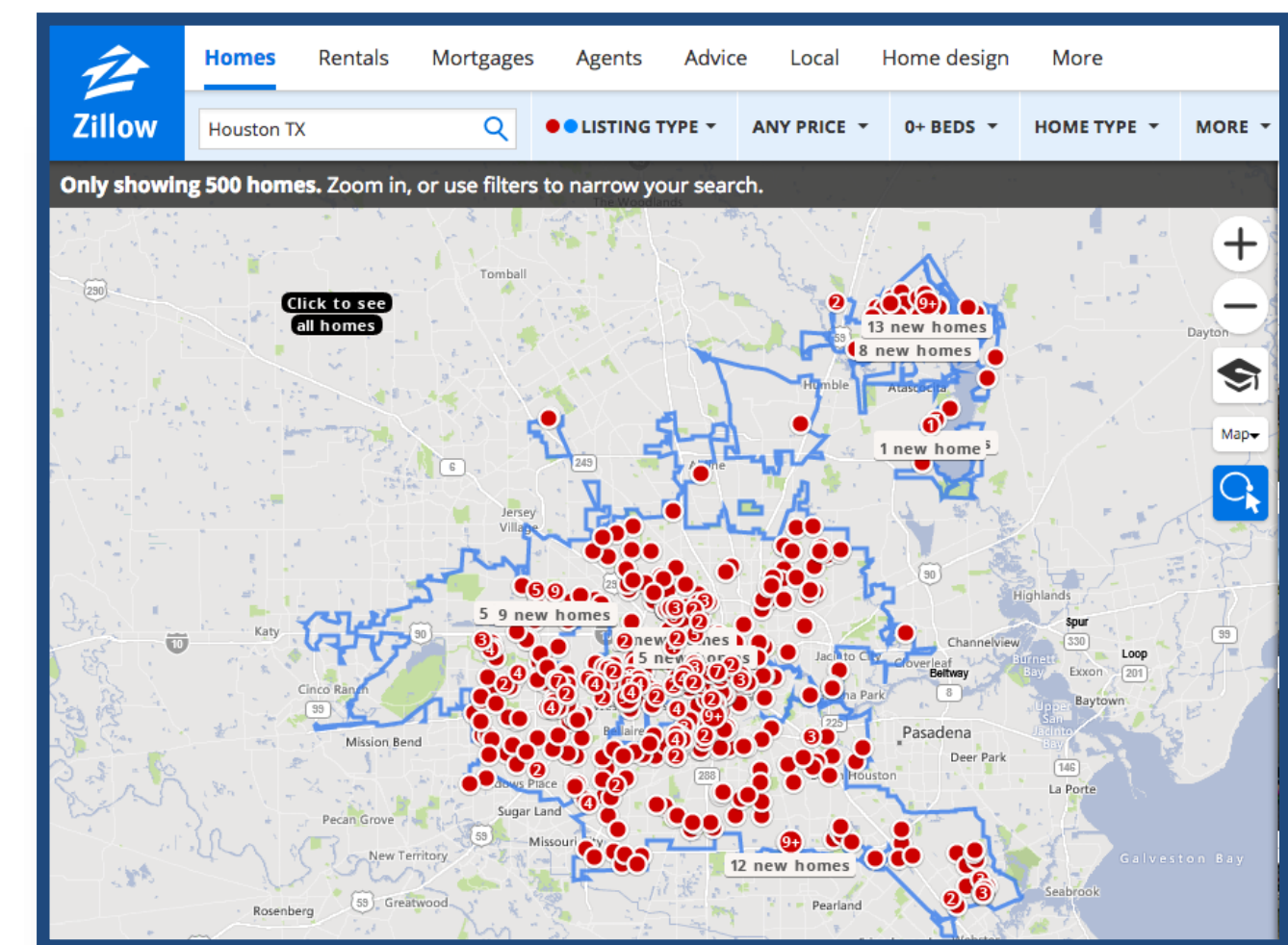
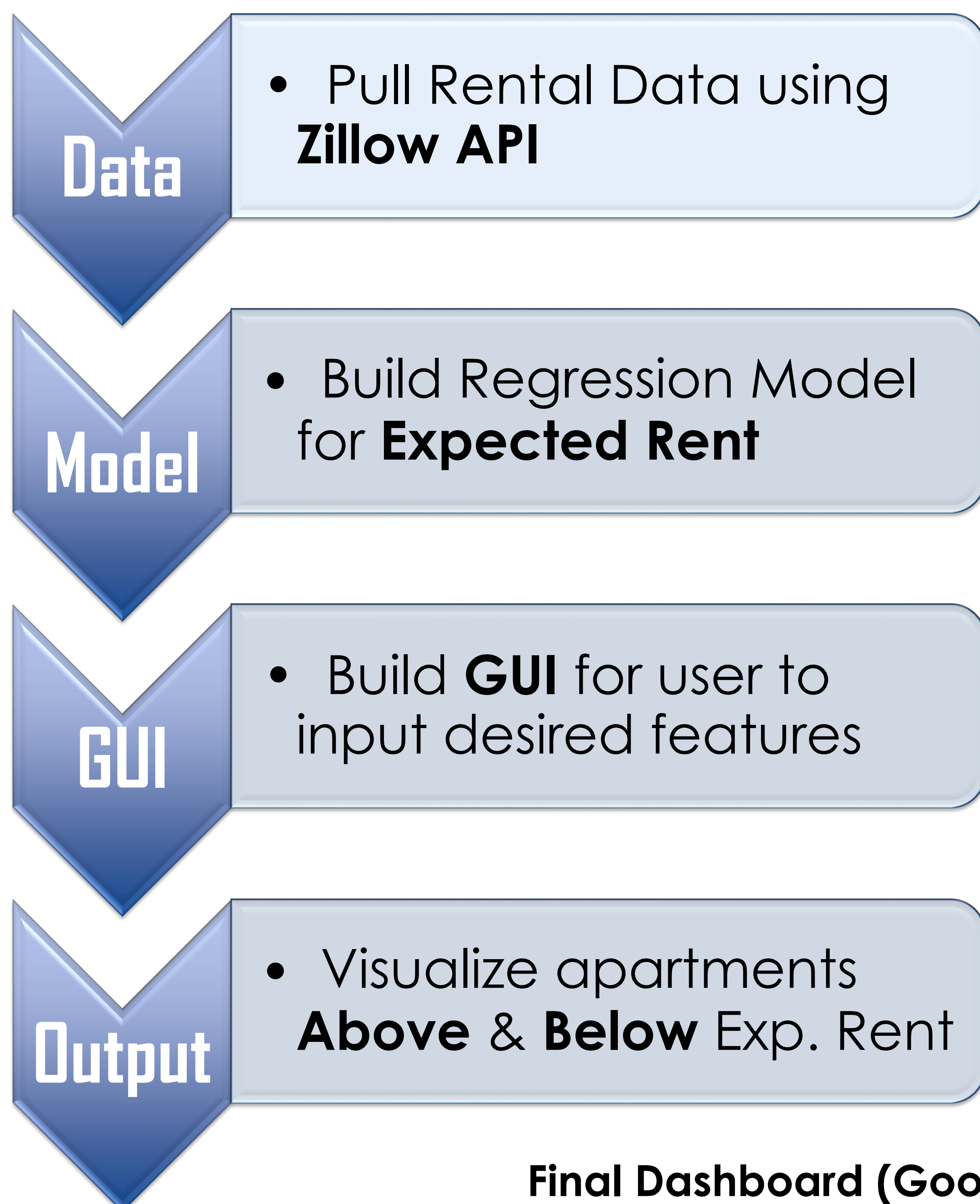
# Determining best household rental prices in Houston using Zillow.com

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## Introduction

- Our team member is moving
- He searches on Zillow for “**Houston, TX**”
- He is confused seeing so many listings
- We are trying to simplify his life!

## Approach



Zillow: Current State

- Around **400 listings** from Zillow API
- **Data on:**
  - Home Type
  - Latitude & Longitude
  - Year Built
  - Home size
  - Number of Bedrooms & Bathrooms
  - Street Address
  - Zip Code
  - Listed Rent

- **Log. Linear Model** vs, **Linear Regression Model**
- Adjusted  $R^2$  : **60%** vs. **38%**
- **Positive** Effects:
  - Bathrooms, Bedrooms, Size
- **Negative** Effects:
  - Year Built , Few Zip Effects

Python GUI

## Final Dashboard (Google Maps + D3)

