Project Description: Melbourne Housing Market Visualization

This project aims to explore and visualize the Melbourne Housing dataset, which captures the sales of residential houses in Melbourne from 2016 to 2017, compiled by Tony Pino. The dataset offers a unique opportunity to analyze real estate trends, including pricing, house types, and suburban characteristics. Using effective data visualization techniques, this project will uncover key insights into the Melbourne housing market.

Objectives:

1. **Analyze Pricing Trends:**
   o Highlight the correlation between housing prices and proximity to the city center.
   o Show how average prices and the number of houses vary geographically.
2. **Suburban Characteristics:**
   o Explore premium suburbs like Kooyong and Riddles Creek, renowned for their posh appeal.
   o Contrast these with more affordable areas further from the city center.
3. **House Type Preferences:**
   o Visualize the prevalence of different house types, noting the dominance of houses and the contribution of duplex properties.
4. **Lifestyle Factors:**
   o Showcase the allure of suburban living in areas like Moonbulk and Riddles Creek, where larger house sizes and serene natural environments are ideal for gardening and peaceful living.
   o Contrast this with the urban premium of city-center residences, which demand higher prices.
5. **Accessibility vs. Affordability:**
   o Illustrate the trade-off between affordability and convenience, emphasizing how cheaper houses are generally located farther from the city.

Methodology:

- Utilize charts, maps, and interactive dashboards to represent data trends clearly.
- Incorporate geospatial analysis to map house prices and densities across Melbourne suburbs.
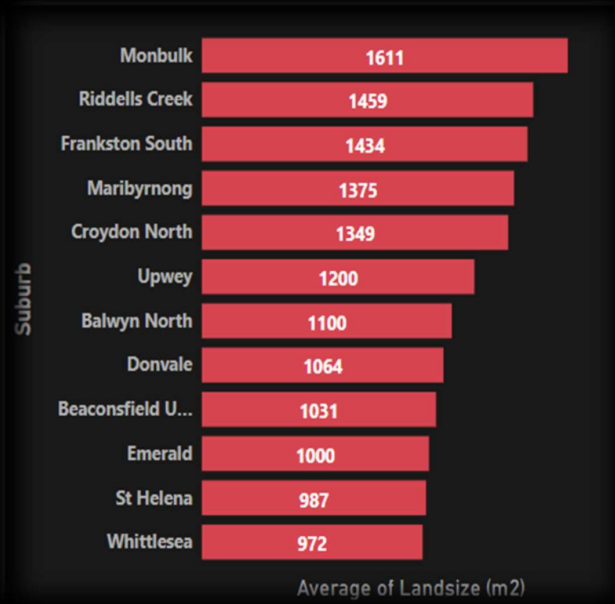- Highlight specific neighborhoods to draw comparisons between lifestyle and cost.
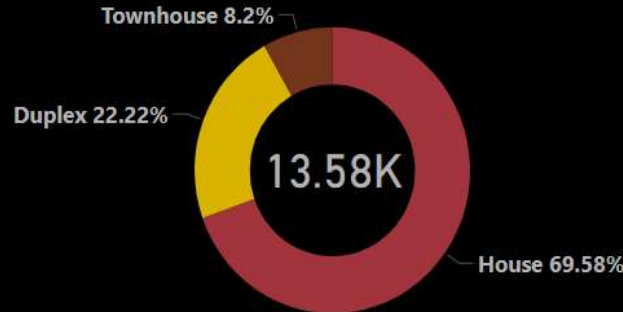
Melbourne Housing Dreams

Melbourne Housing dataset contains information of 2016-2017 sale of residential houses compiled by Tony Pino

Want to buy a house with big land size in Melbourne ??

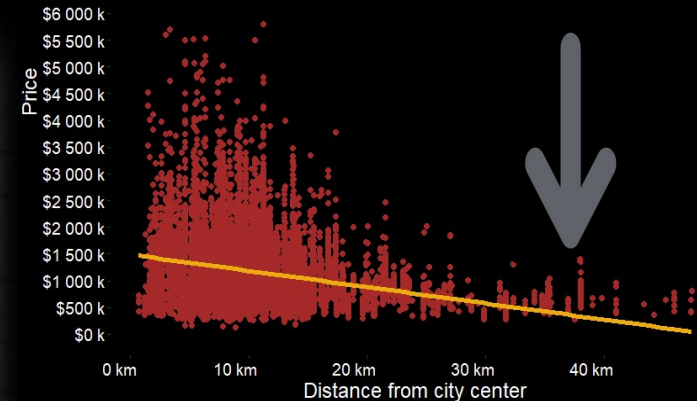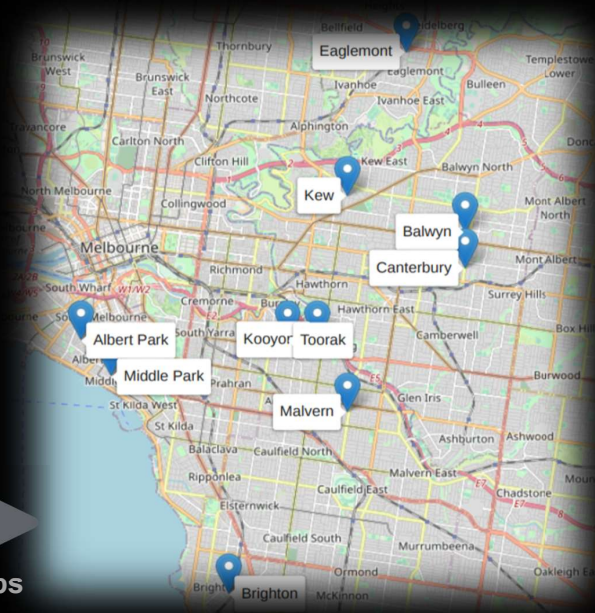Moonbulk and Riddles Creek have big sized houses where a every person can enjoy gardening, peace, nature

Suburb	Average of Landsize (m2)
Monbulk	1611
Riddells Creek	1459
Frankston South	1434
Maribyrnong	1375
Croydon North	1349
Upwey	1200
Balwyn North	1100
Donvale	1064
Beaconsfield U...	1031
Emerald	1000
St Helena	987
Whittlesea	972

Want to buy a house in a posh Suburb ??

Kooyong and Riddles Creek are most posh Suburbs

Distribution of House Types Sold

Townhouse 8.2%
Duplex 22.22%
13.58K
House 69.58%

Houses contribute the most followed by Duplex.

Eaglemont
Kew
Balwyn
Canterbury
Albert Park
Kooyor Toorak
Middle Park
Malvern
Brighton

Where to buy a house ?? Confused ??

Live in the heart of the city but be ready to pay more money.

Cheaper house will take you far from the city.

Price — Distance from city center

$6 000 k, $5 500 k, $5 000 k, $4 500 k, $4 000 k, $3 500 k, $3 000 k, $2 500 k, $2 000 k, $1 500 k, $1 000 k, $500 k, $0 k

0 km, 10 km, 20 km, 30 km, 40 km

Average Price and number of houses both decreases on moving outside the city center