Project 3

Predicting House Prices in Suburbs of the City of Perth vs another suburb

()<http://house.speakingsame.com/> - Data Scraping from this site, and put in CSV  
[http://house.speakingsame.com/p.php?q={input](http://house.speakingsame.com/p.php?q=%7binput) suburb here}%2C+WA<http://house.speakingsame.com/p.php?q=Perth&p=0&s=0&st=&type=&count=300&region=Perth&lat=0&lng=0&sta=wa&htype=&agent=0&minprice=0&maxprice=0&minbed=0&maxbed=0&minland=0&maxland=0>

change p= to page

Ideas

Webpages?

Tableau – Story (Property Map)

Machine Learning – User to input all the X required to get Y (output)

To consider:

The structure of the project – How its gonna look, What its gonna do

How to host data, SQLite?

Top Schools data for each suburb (As a column for each suburb)

School Catchment Areas?

2 weeks time frame – Finish the backbone on the 1st week, 2nd week - Making it pretty, Presentation, Demo day

Scope on Residential Properties:

Unit, Apartments, Townhouses, Houses

Rent and Rent Date to be used for Visualisation only

Rent column implies that the property has been advertised and has been to be rented out in at the time of the Rent Date (Fill blank Rent and Rent Date data with 0)

Suburbs:

Crawley, East Perth, Nedlands, Northbridge, Perth and West Perth

To do:

Use Machine Learning to Predict Future Price – what is X(Rent) what is Y(Price)

Agents – Missing Value to be filled with “Not Recorded” (To be used for best agent visualisation)

Combine all CSV and drop N/A before machine learning

Tableau Visualisation – Map (Color on Pricing)

Property Type around the area  
Avg Pricing for each Suburb for each year  
Avg size lot for each Suburb  
Bedroom, Bathroom, Carpark (Relationship between these and house prices)