User Manual

Analysing Airbnb Data in Sydney

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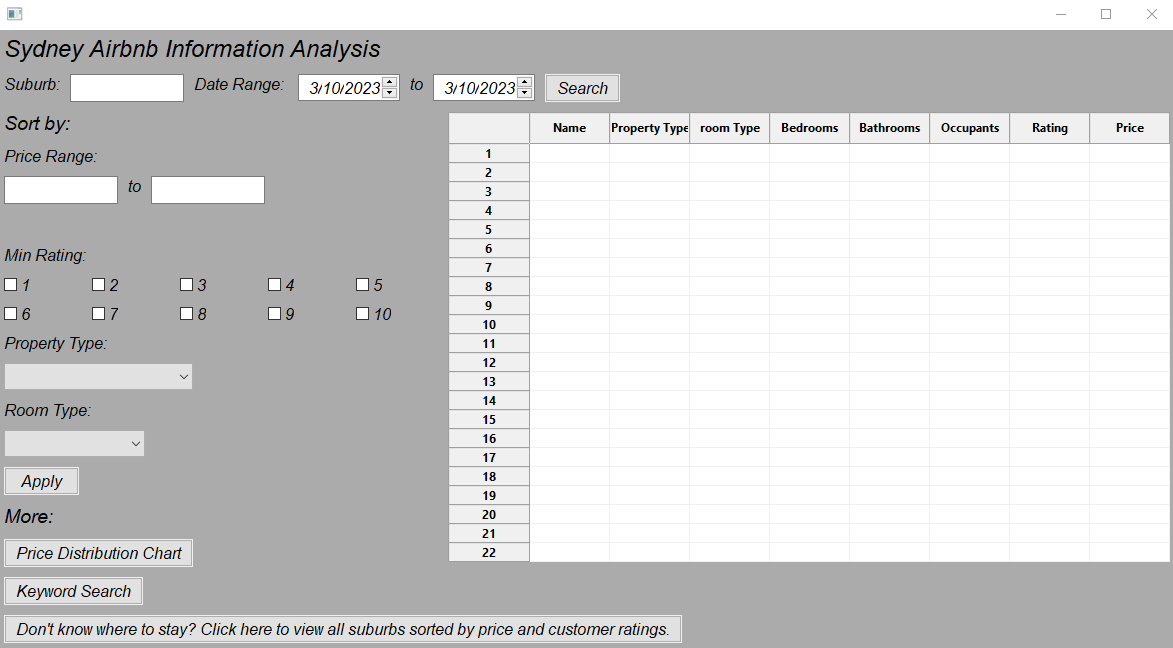
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# Main Page

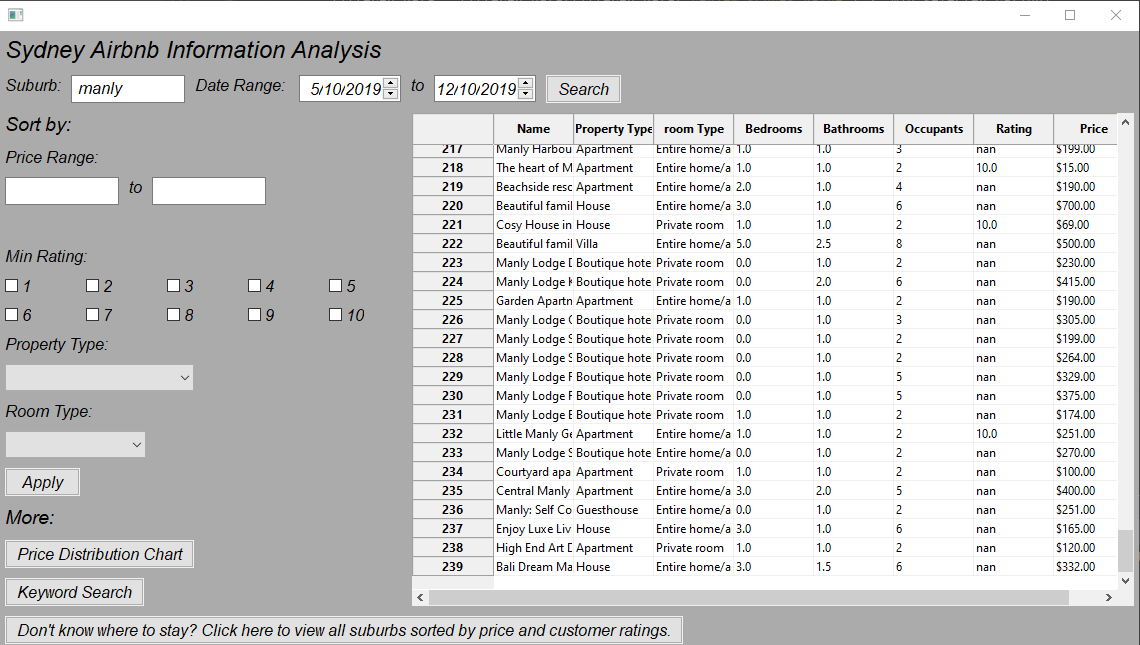
Running the program opens a window that looks like this, with 2 separate search functions and 3 buttons on the button to access the Price distribution chart in section 2, Keyword analysis in section 3 and the suburb specific information in section 4.



To search for an available Airbnb the user must input the suburb they want to stay followed by the dates of the stay and press search. The below is displaying all available places within Manly from the 5th of October 2019 to the 12th of October 2019.

A close up of a text

Description automatically generated



This search can then be refined by filling in a minimum or maximum or both for the price range, clicking the minimum rating and selecting the property and room type. Zero or more filters can be selected for the program to run. The price range must be a numeric value to work.

A screenshot of a computer

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A screenshot of a computer error

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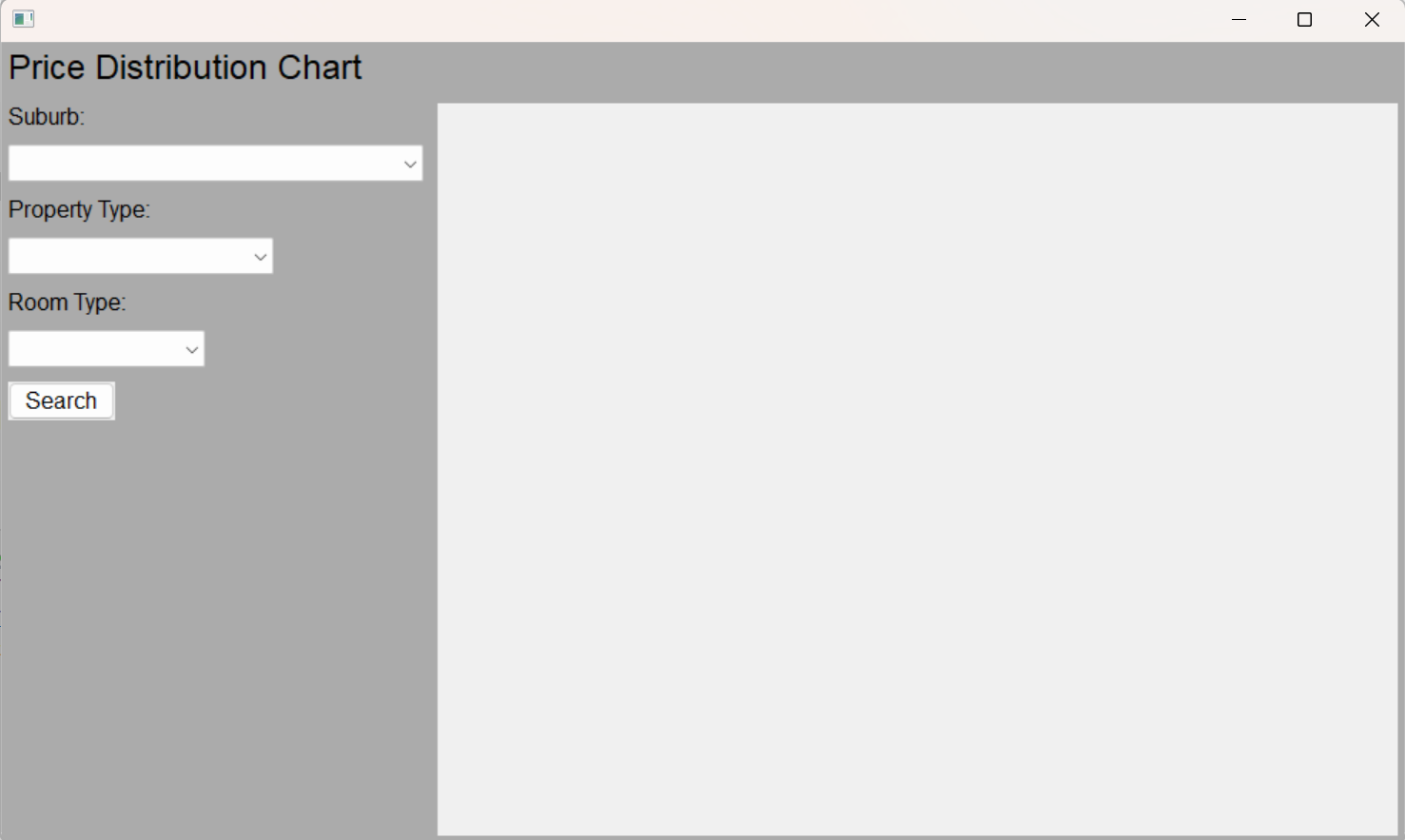
Once the selections have been made click apply to show the results with the new filters added.

A screenshot of a computer

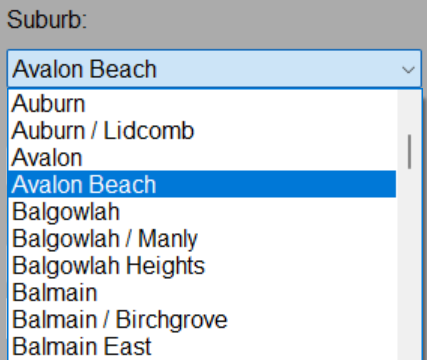
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# Price Distribution Chart

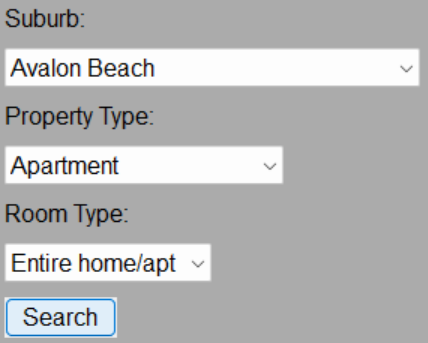
On opening, the window opens like this:



To show the price distribution chart, the user needs to choose the suburb they are wanting to look at, property type and room type from the relevant drop down menu. All three must be selected to display results. The user then must click the “Search” button to view the chart.

 A screenshot of a computer

Description automatically generated A screenshot of a computer

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Once all three drop downs have been selected and the search button has been clicked, if there are listings that meet the criteria selected, they will be displayed on the graph. If there are no listings that meet the selection criteria, the graph will be blank. The graph displays the number of listings (x-axis) and the price of each listing (y-axis).

A screenshot of a graph

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To change the graph, change any or all the filters, and click the “Search” button.

# Keyword Analysis

Upon openingthe keyword search function the window will look like this.

A screenshot of a computer

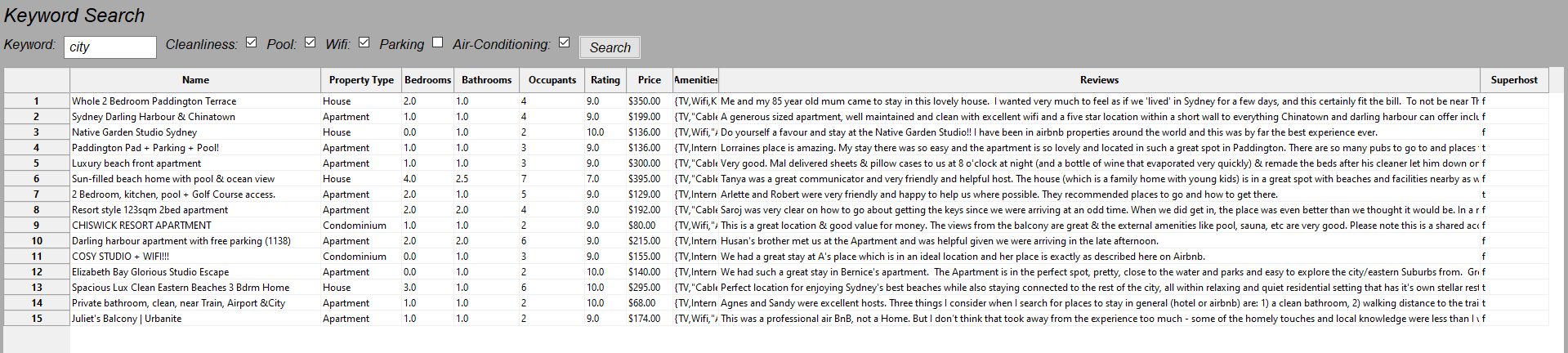
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To search the reviews the user must select zero to five of the tick boxes marked cleanliness, pool, wifi, parking and air conditioning to refine the reviews relating to those keywords.

A screenshot of a computer

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The user can also add their own keyword into the textbox to further refine the search alongside the 5 predefined categories.



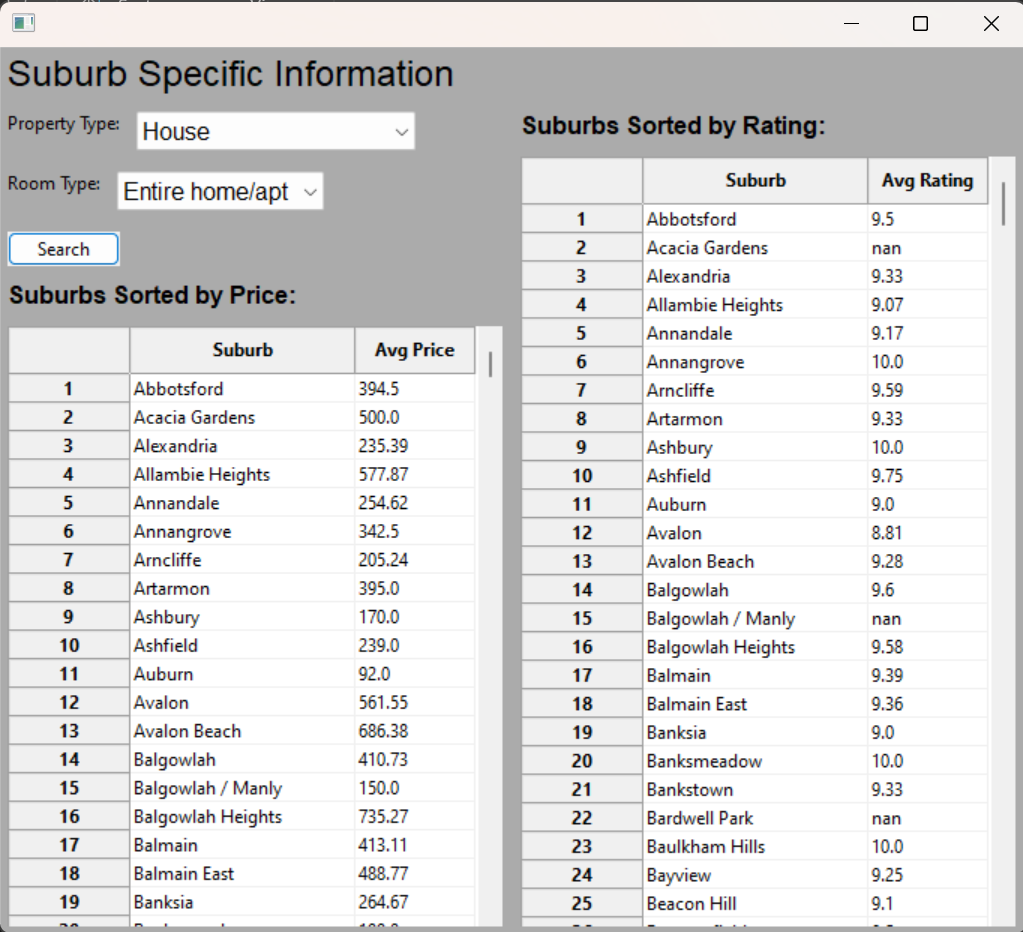
# Suburb Specific Information

On opening, the window opens like this:

A screenshot of a computer

Description automatically generated

To display the data, the user must select the property type and room type of their choice from the relevant dropdown menu. Both fields must be selected to display the data. Once selected, click the search button and the data will appear.



Both datasets list suburbs matching user-entered selection criteria. The left dataset shows average listing prices for the specified property and room types, while the right dataset displays average ratings for the same property and room types in those suburbs. To change the data display, the user can change one or both filters, and click the “Search” button.