



Infographics

DC RESIDENTIAL PROPERTIES WEB BASED APPLICATION

WEB APPLICATION USER GUIDE

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INTRODUCTION TO WEB APP

DC Residential Properties web app was developed with the aim of providing user the information regarding the DC Properties. The user can select different variables in the widget and see the variation of prices of DC properties based on those variables. We have also provided an interactive map for the convenience of the users. They can select a zip code and see the location wise details of each and every property. The users can hover over the map and see details about each and every property.

The main purpose of building this app is to help user provide accurate information and trend about the DC Residential properties and help them figure out which property is best for them.

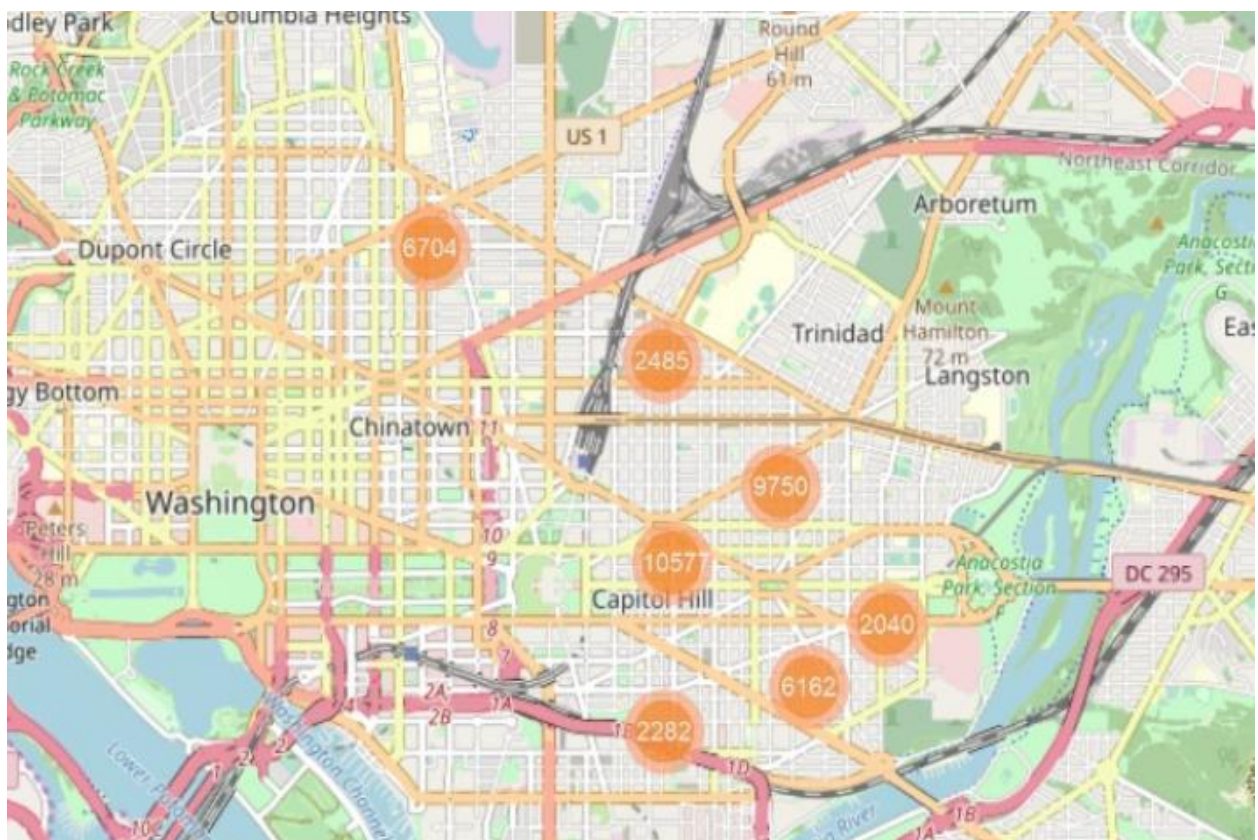
INTERACTIVE MAP PAGE (GUIDE)

1.) First select one or multiple zip code for the Zip code from the option available in widget

Choose the Locality (Zipcode)

20001, 20002, 20003 ▼

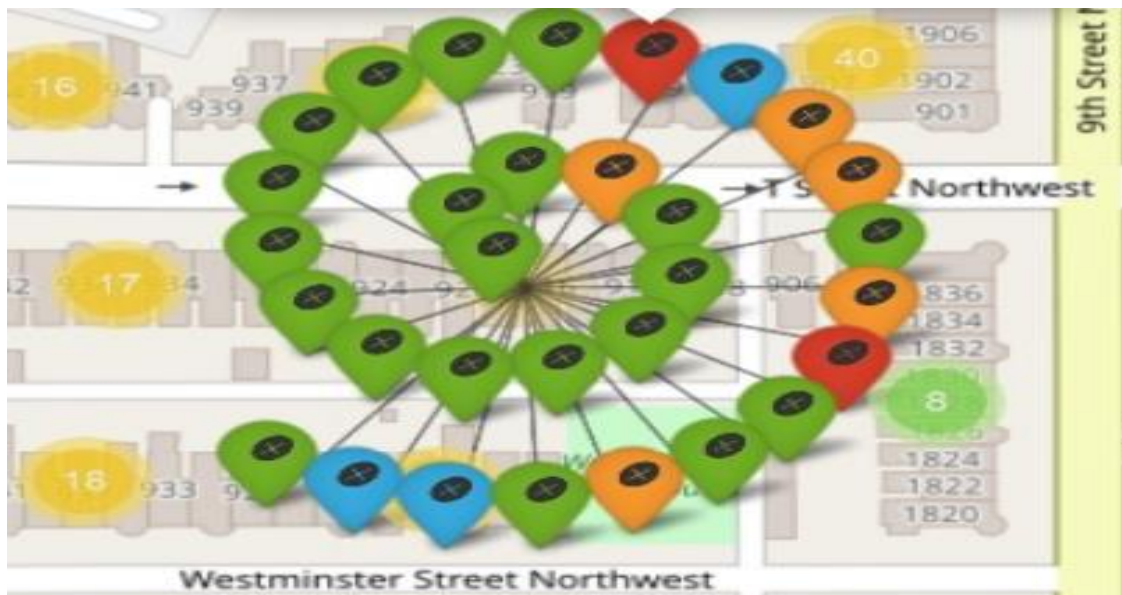
2.) As you select a zip code this map will be generated. Now each circle represent a main cluster of house. You can click on the cluster of your choice, it will open another group of cluster of houses based on their proximity to each other,



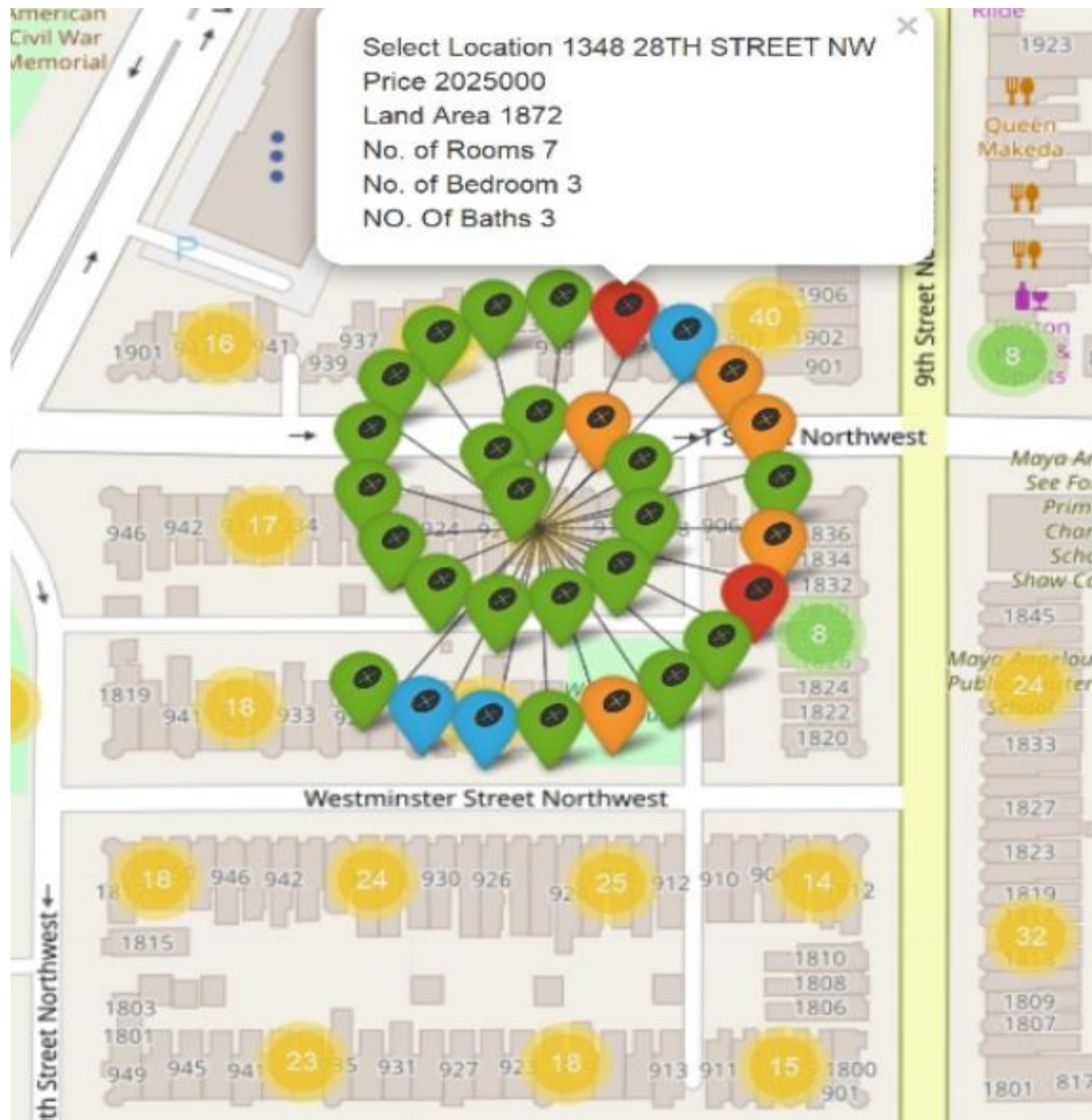
3.) When you select a cluster you will see further clustering .



4.) Finally you will get markers of individual houses. You can see different colour markers. Each marker indicates the price ranges of the property. (e.g. The green marker indicates price of the house is below 1 million)



5.) You can also click on a particular marker to check the details of the house like the exact address of house, Price, No. of Room, Land Area, Year built etc.



PLOT PAGE (GUIDE)

1.) There are two widgets for two different axis. You can select from two variables namely price and average price for y-axis and various different variables for x axis and see different trends based on the selected variable.



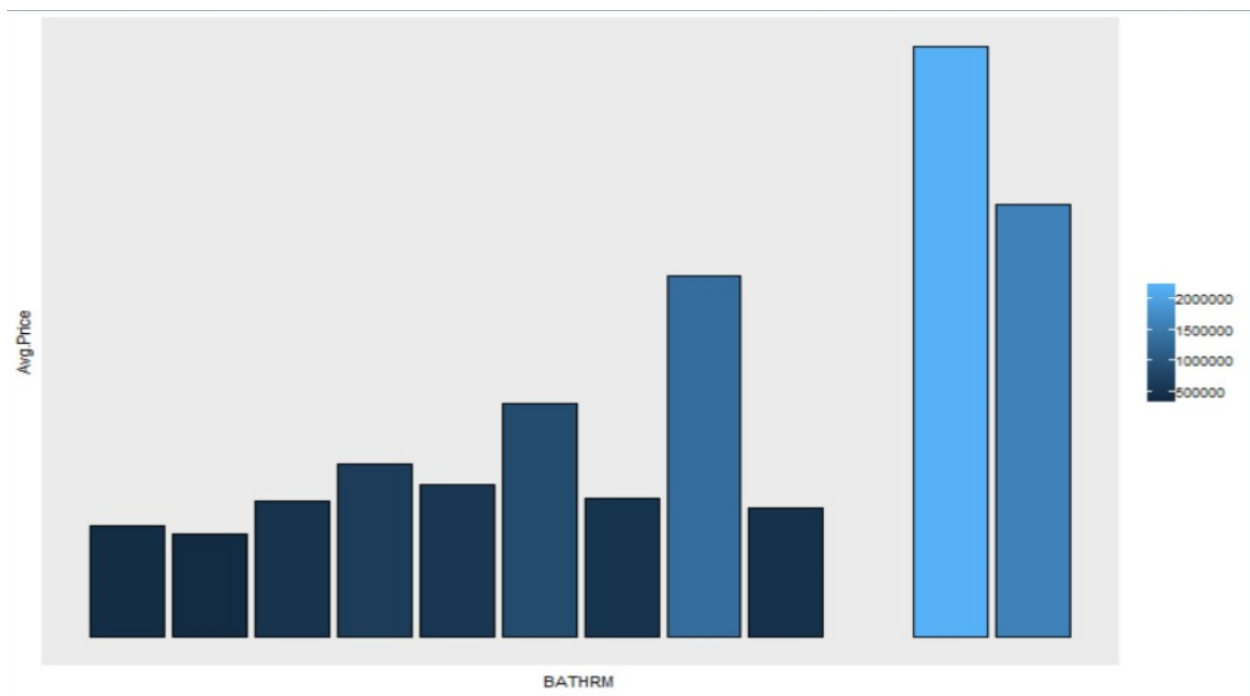
Properties

Number of Bathroom

Choose y var

Avg.Price

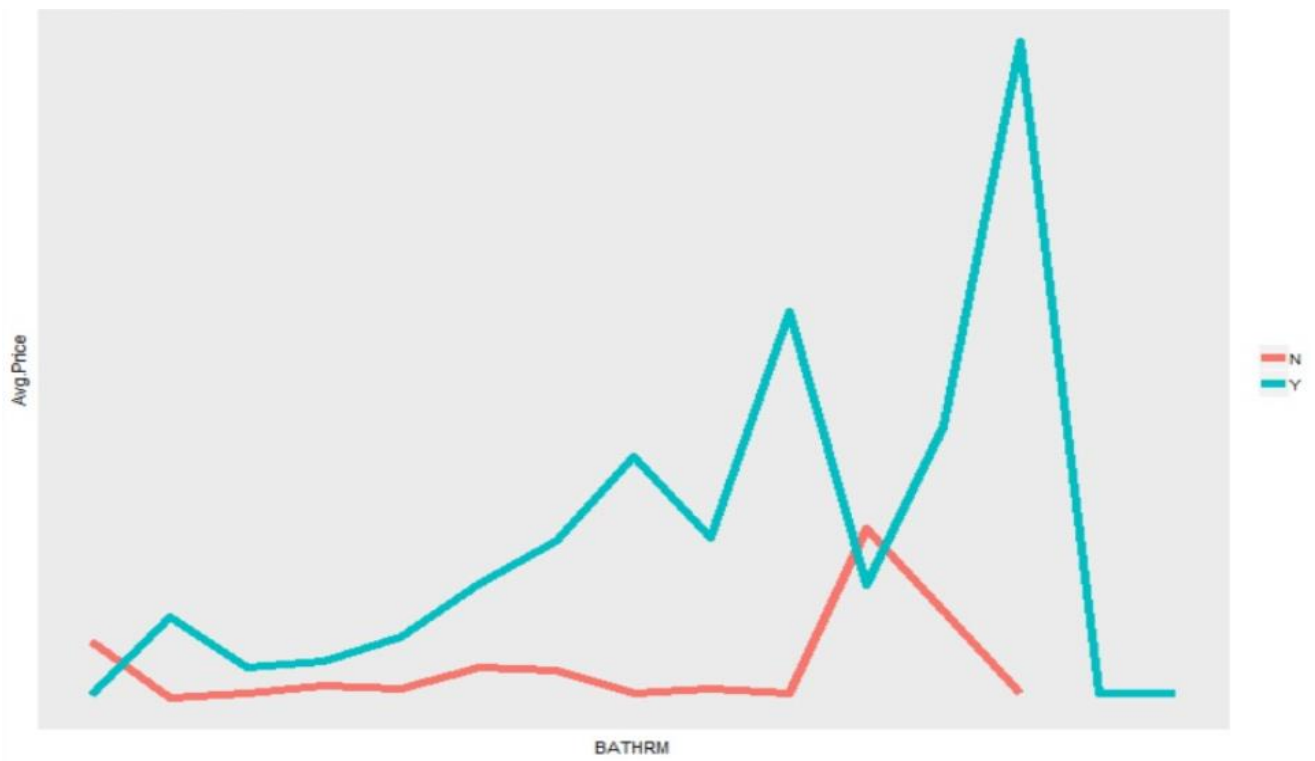
2.) Whenever you select a particular x axis variable and y axis variable you will get a plot corresponding to those selected variables (Default Plots).



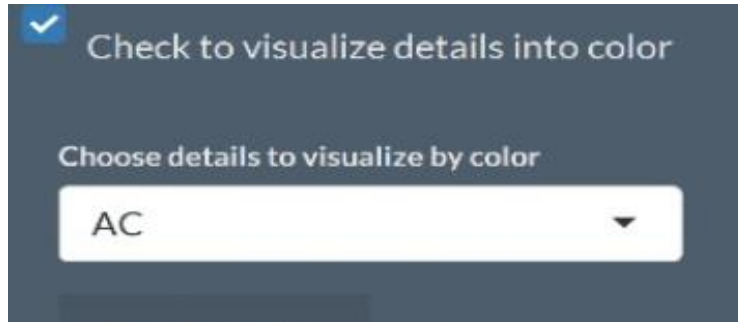
3.) If you face difficulty in understanding a particular default plot you can select from plot widget different options which you can understand easily.



4.) When you select a particular kind of plot type the default plot will change according to the selected option.



5.) You can also use color filter so see the trend in price with two different kind of variable at a same time. But to use this filter you have click on “check to visualize box”.

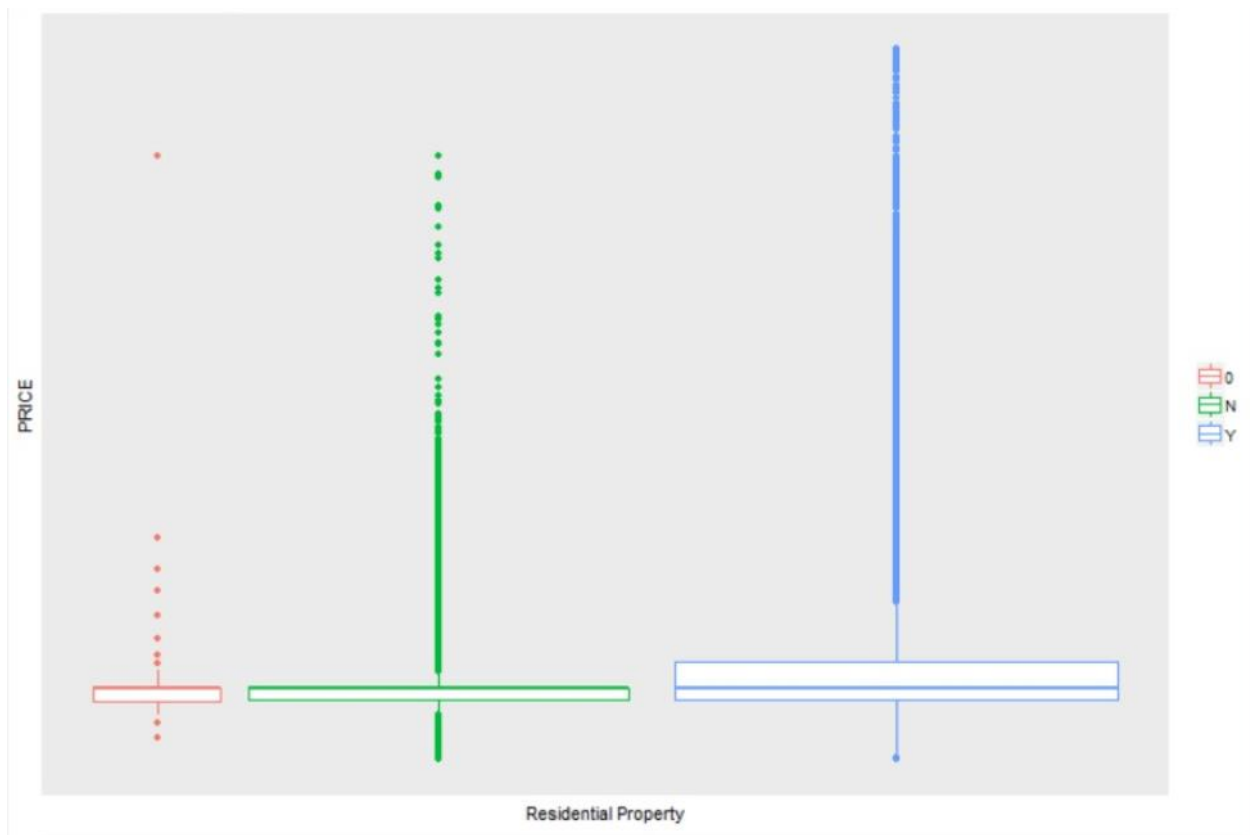


Check to visualize details into color

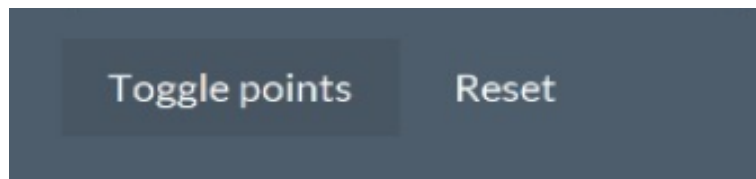
Choose details to visualize by color

AC

6.) When you select x variable, y variable and the color filter you will get a output which will show you price trend of DC Properties base on those two variable.



7.) You can also use the toggle options to remove the unnecessary records (Outliers) from the plots and see better trends in the plot. To use this option first select the points on the plot using your mouse and then on the toggle points.



8.) When follow the above mentioned step all the data you wanted to eliminate will be removed from your plots. If you want to get those point back you can click on the reset option

