

Assignment 1- WEKA

Student Name and ID of the member submitting the assignment:

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1. Start the Weka GUI chooser
2. Launch the Weka explorer by clicking on the explorer button



3. click the open file button and select the required file and click open.
4. In this we are using housing.csv file for visualizing the data

5. over here we could see the attributes and in the selected attributes section we could see Name, Type, Missing, Distinct, Unique

Weka Explorer

Preprocess Classify Cluster Associate Select attributes Visualize

Open file... Open URL... Open DB... Generate... Undo Edit... Save

Filter
Choose **None** Apply

Current relation
Relation: Housing
Instances: 546
Attributes: 13
Sum of weights: 546

Attributes
All None Invert Pattern

No.	Name
1	<input type="checkbox"/>
2	<input checked="" type="checkbox"/> price
3	<input type="checkbox"/> lotsize
4	<input type="checkbox"/> bedrooms
5	<input type="checkbox"/> bathrms
6	<input type="checkbox"/> stories
7	<input type="checkbox"/> driveway
8	<input type="checkbox"/> recroom
9	<input type="checkbox"/> fullbase
10	<input type="checkbox"/> gashw
11	<input type="checkbox"/> airco
12	<input type="checkbox"/> garagepl
13	<input type="checkbox"/> prefarea

Remove

Selected attribute
Name: price
Missing: 0 (0%)
Distinct: 219
Type: Numeric
Unique: 108 (20%)

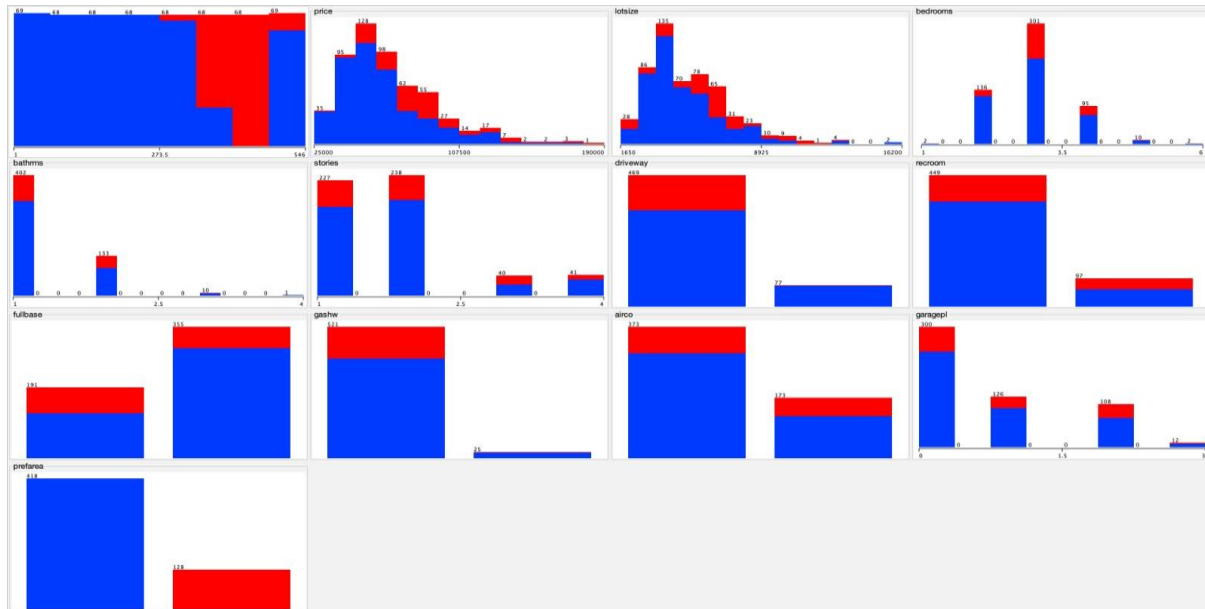
Statistic	Value
Minimum	25000
Maximum	190000
Mean	68121.597
StdDev	26702.671

Class: prefarea (Nom)

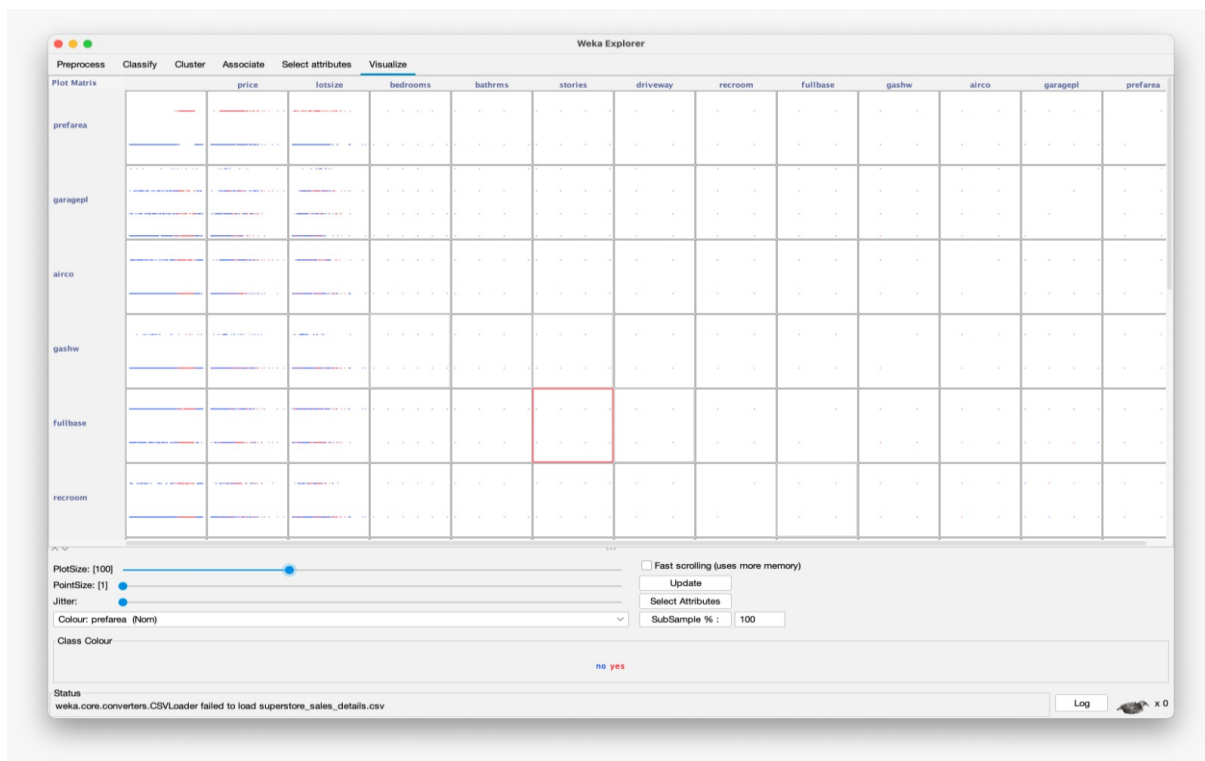
Status
OK Log

- **Visualizing the data**

We can visualize each attribute separately by selecting the attribute and click on “visualize all” button.

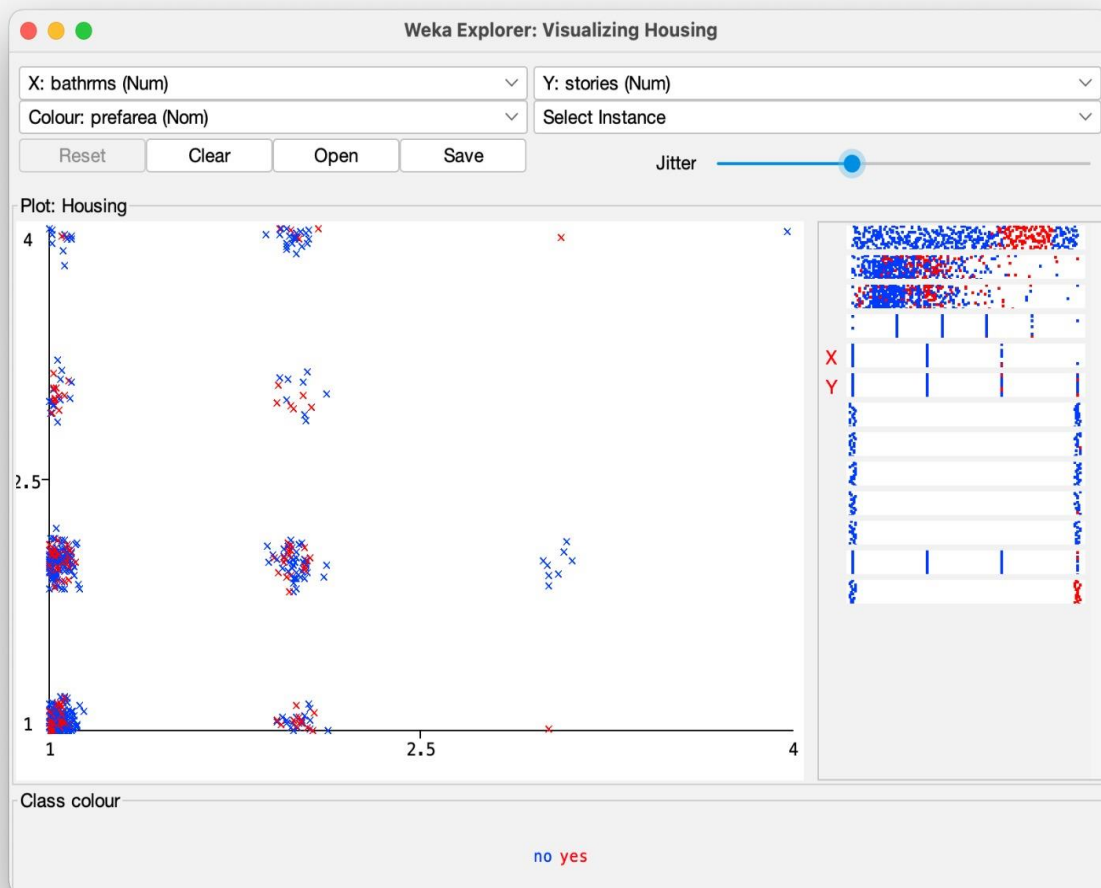


By this we can visualize the data based on selected attributes.



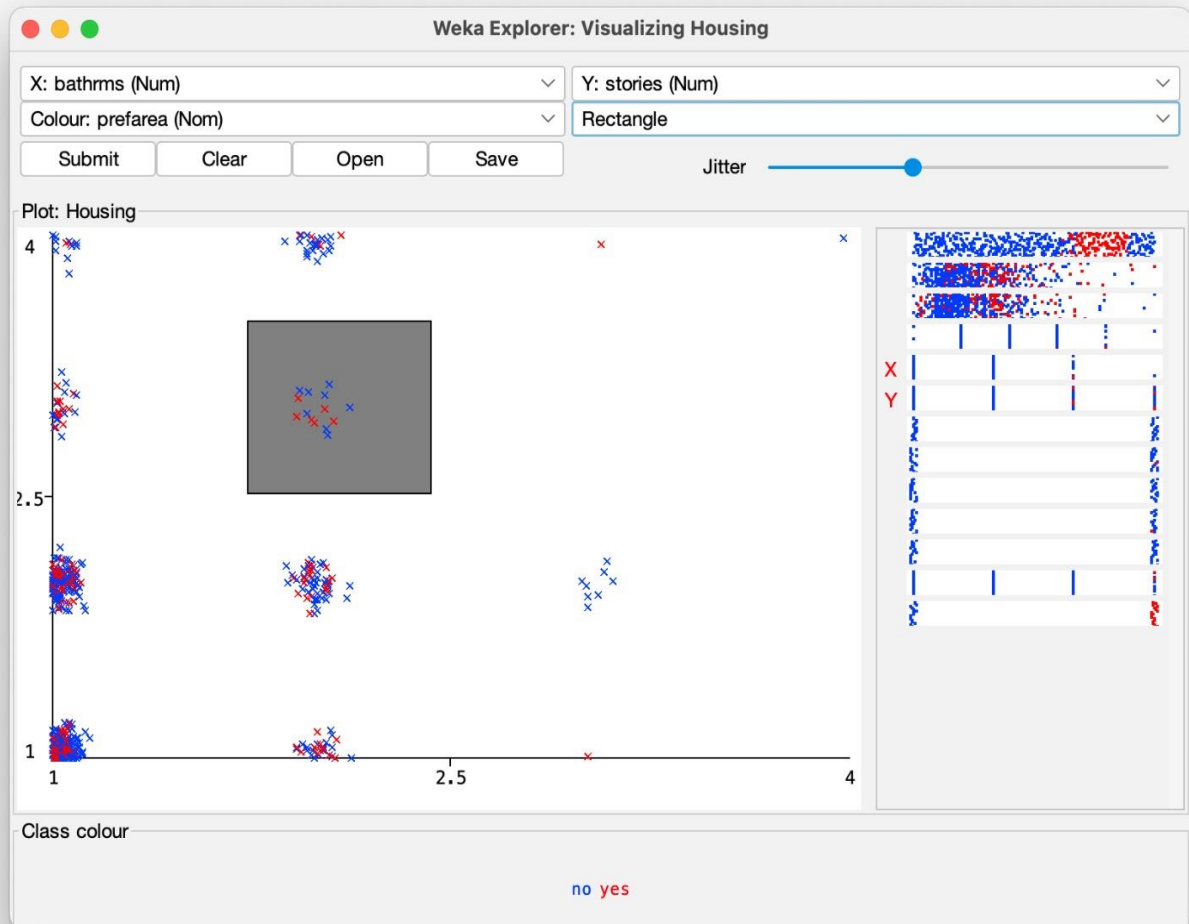
To Visualize the data, we can select “visualize” option on the homepage. Then we need to select the required attribute which we want to compare.

Visualization of bathrms Vs stories

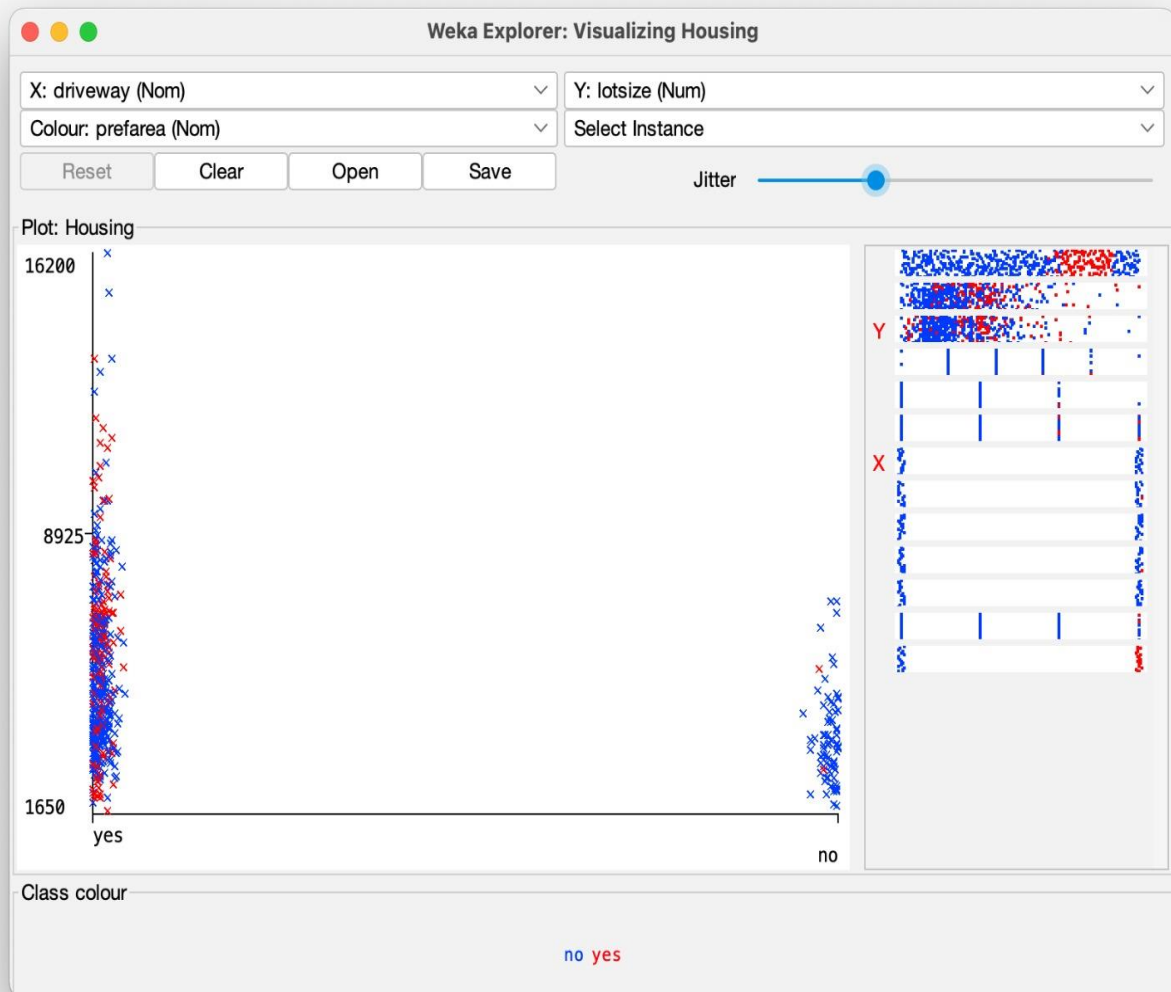


From this we can usually select the bits of the dataset in our desired shape form.

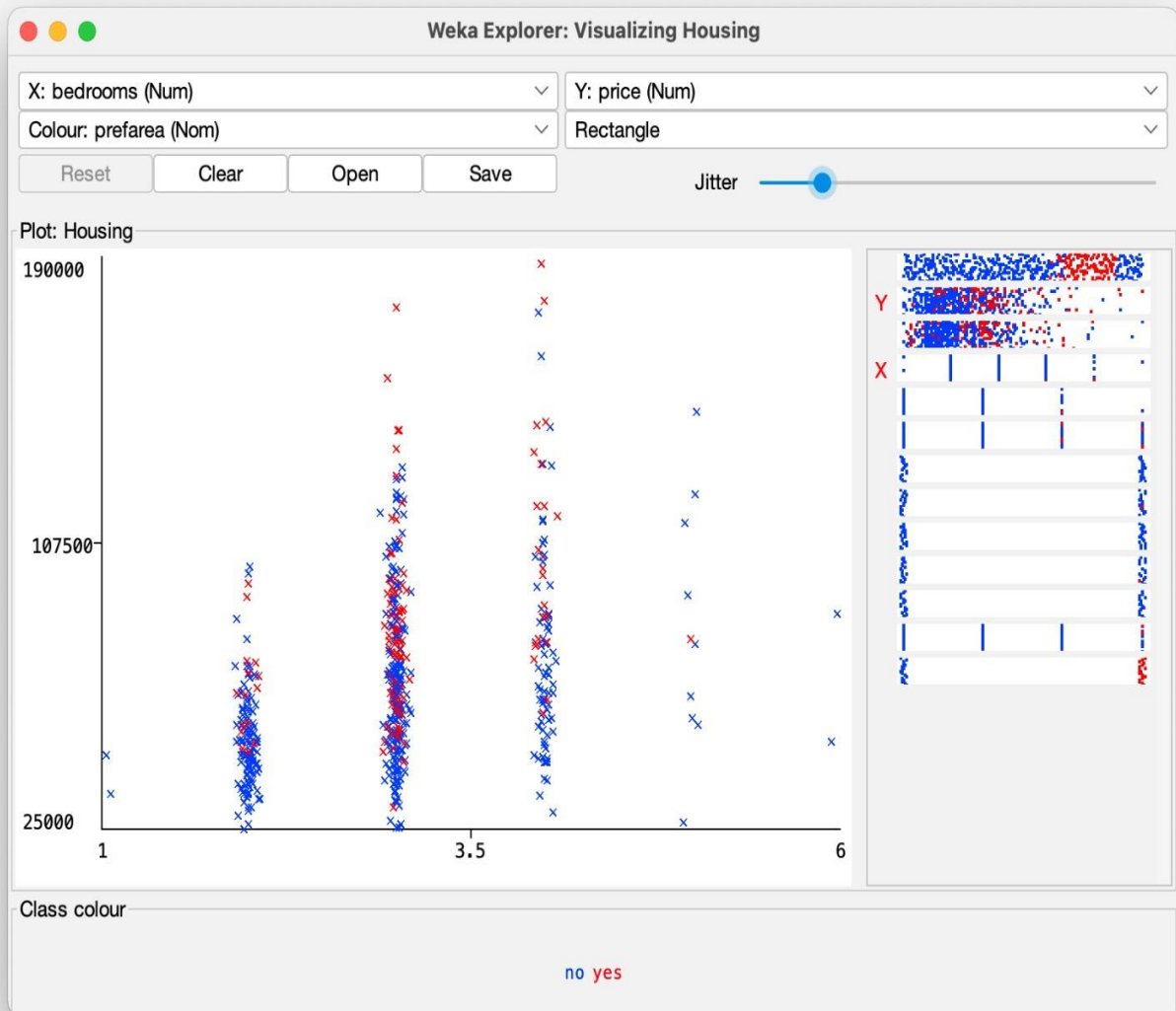
As you can see, here I have selected a rectangular shape.



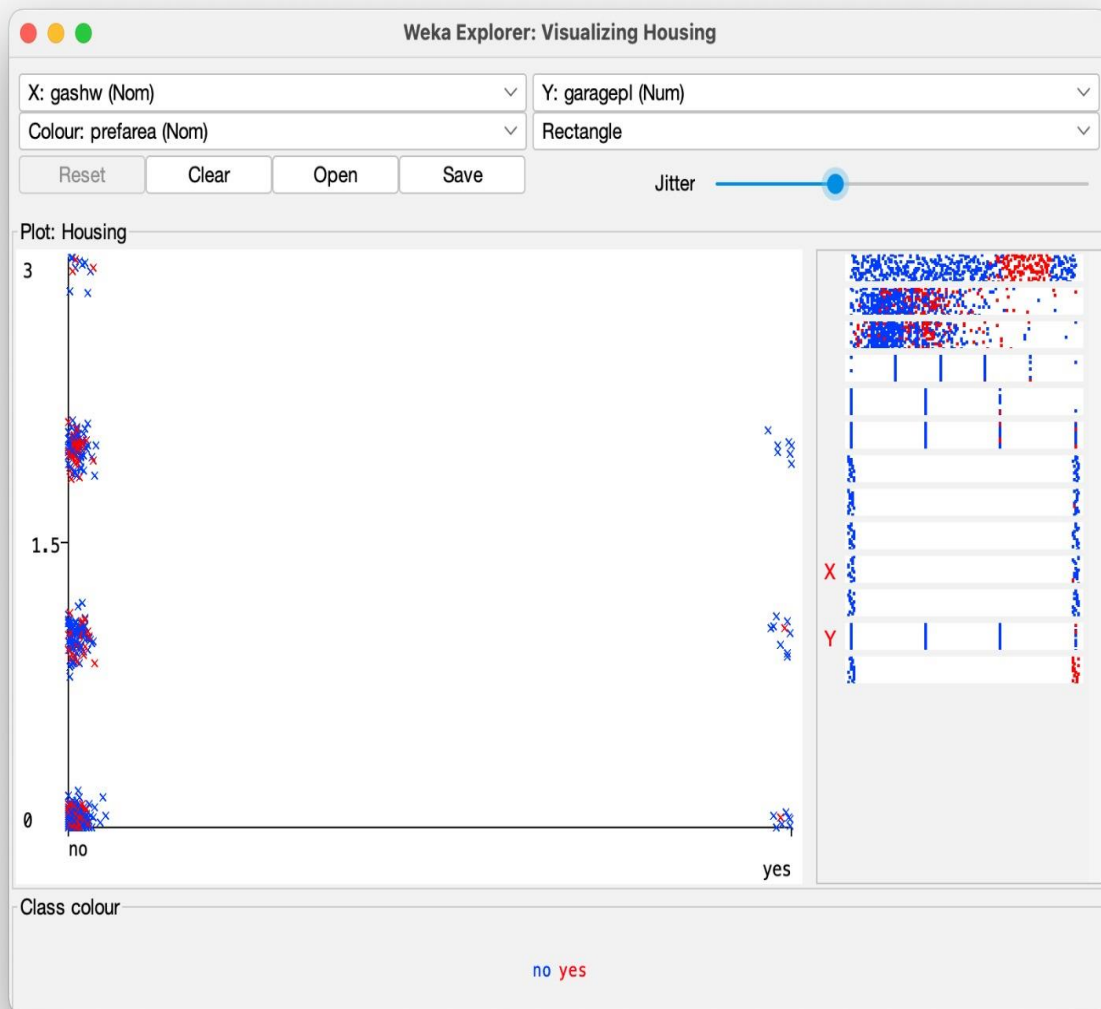
Visualization of driveway Vs lotsize



Visualization of bedroom Vs price



Visualization of gashw Vs garagepi



Visualization of prefarea Vs airco



Visualization fullbase Vs price

