Experiment No = 10

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Page No. :
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Title . Visualize single attributes (1-d) and pair of attributes (2-d), rotate 3-d visualization using weka.

Theory = WEKA'S visualization allows you to visualize a 2-D plot of the current working releation. Visualization is very useful in pratice, it helps to determine difficulty of the tearing problem. WEKA can visualiza single attributes (1-d) and pair of attributes (2-d), rotate-3-d visualizations (xgobi-style). WEKA has "jitter" option to deal with nominal attributes and to detect "hidden" data point.

2. changing the View -

In the visualization window, beneth the x-axis selector there is a drop-down list, 'colour', for choosing the color scheme. This allows you to choose the color of point based on the attribute selected. Below the plot area. there is a legend that describes what values the colors correspond to. In your example, red represents 'no', while blue represent 'yes'

3. Selecting Instances:

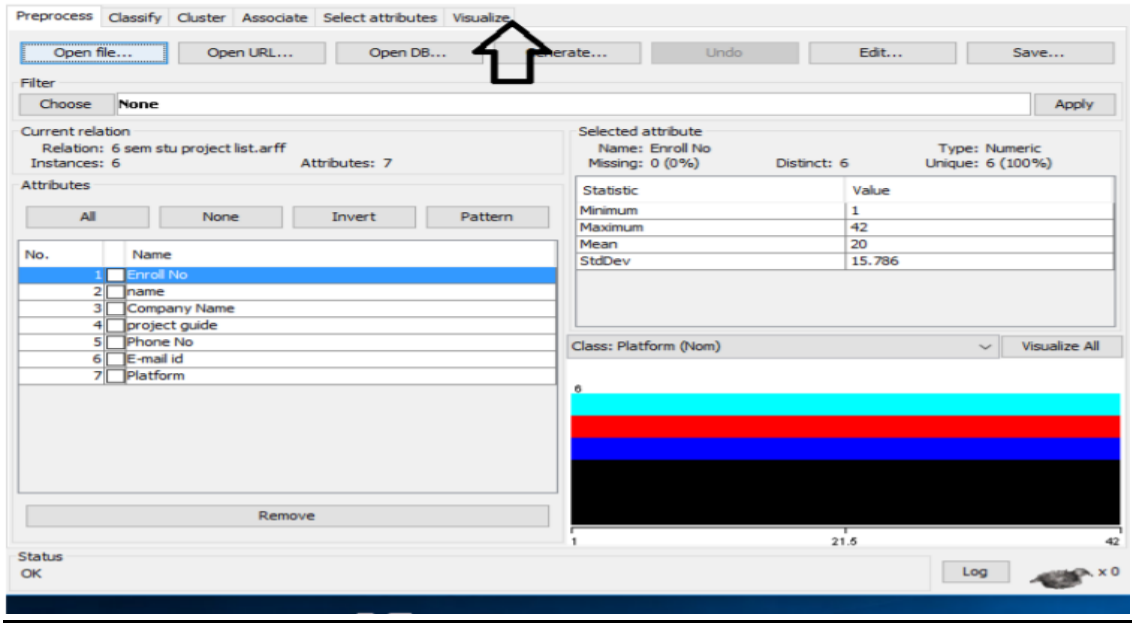
Sometime it is useful to select a subset of the data using visualization tool. A special case is the 'Userclassifier', which lets you to build your own classifier by interactively selecting instances. Below the Y-axis there is a drop-down list the allows you to choose a selection method.

A group of Point on the graph can be selected in Four ways.

1. Select Instance. click on an individual data Point. It brings up a window listing attributes of the Point. IF more than one Point will appear at the same location. more than one set of attributes will be shown.
2. Rectangle. You can create a rectangle the by dragging it around the points.
3. Polygon. You can select Several Point by building a Free-Form polygon.
4. Polyline- To distinguish the point on one side from the once on another, you can build a polyline.

left-click on the graph to add Vertices to the polyline and right-click to finish. once the area has been selected it is colored gray. You can click on 'submit' button to remove the Point outside the gray area. To erase Selected area without affecting the graph. click on 'clear' button. when you clicked on 'Submit' button. it changes 'Resemt' button. By clicking on 'Reset' button, you can undo all changes all restore the original graph. To Save all your currently visible instances to ARFF File, click on Save button.

OUTPUT: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Instances: 6
Attributes: 7
Selected attribute
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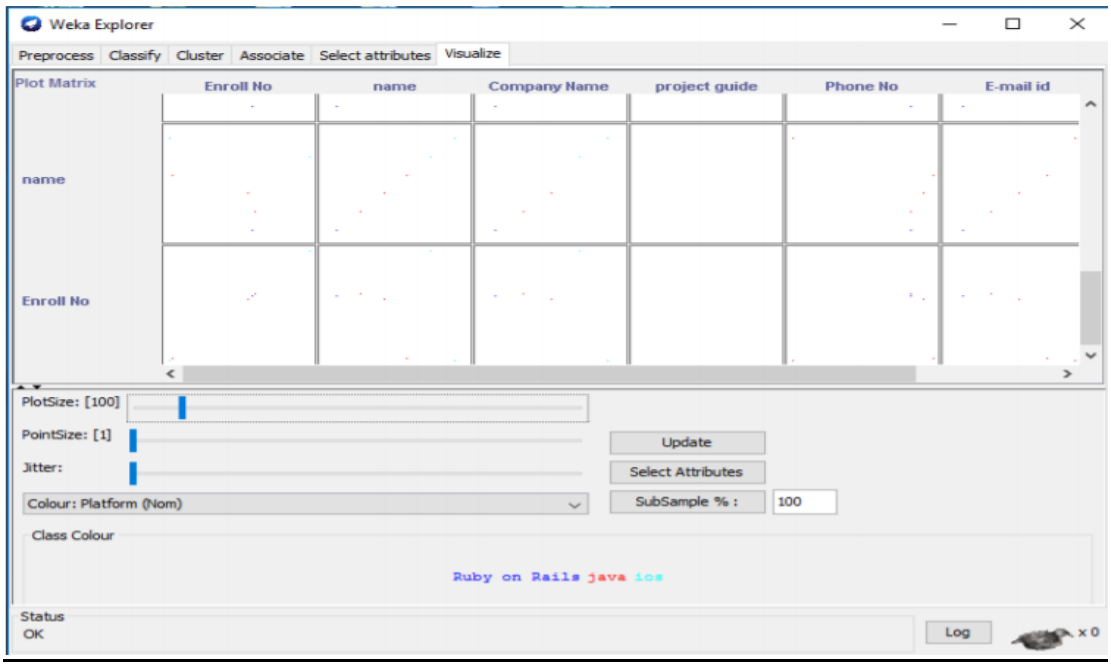
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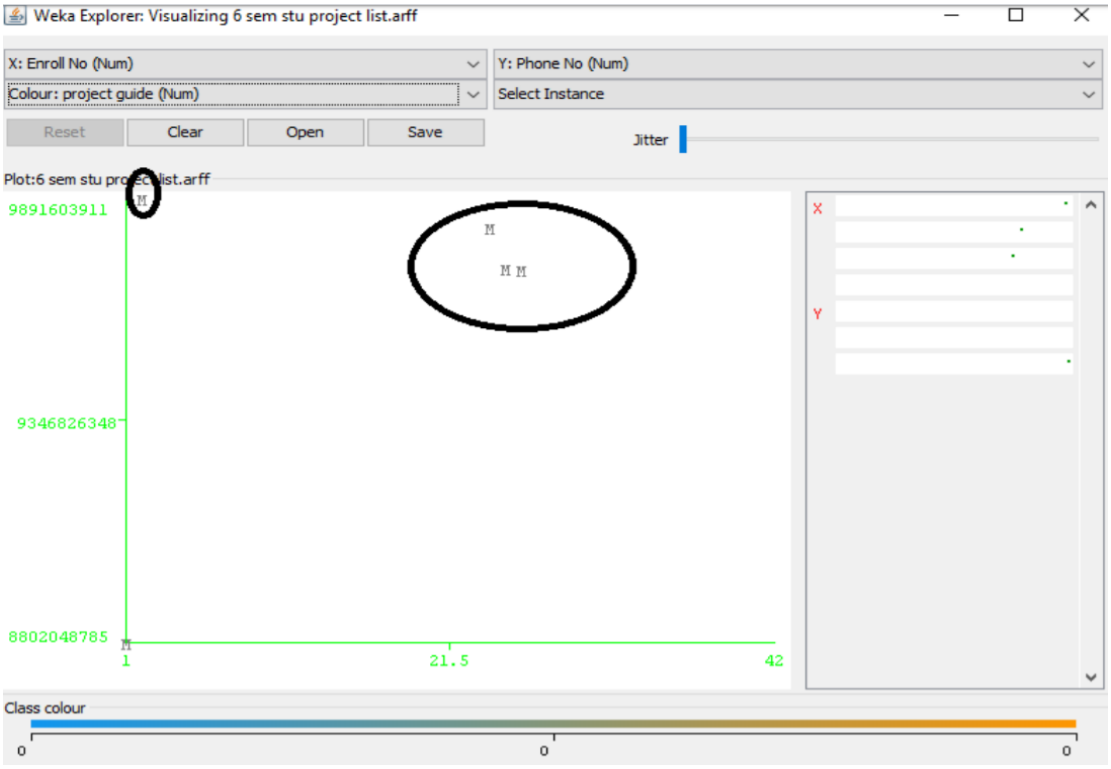
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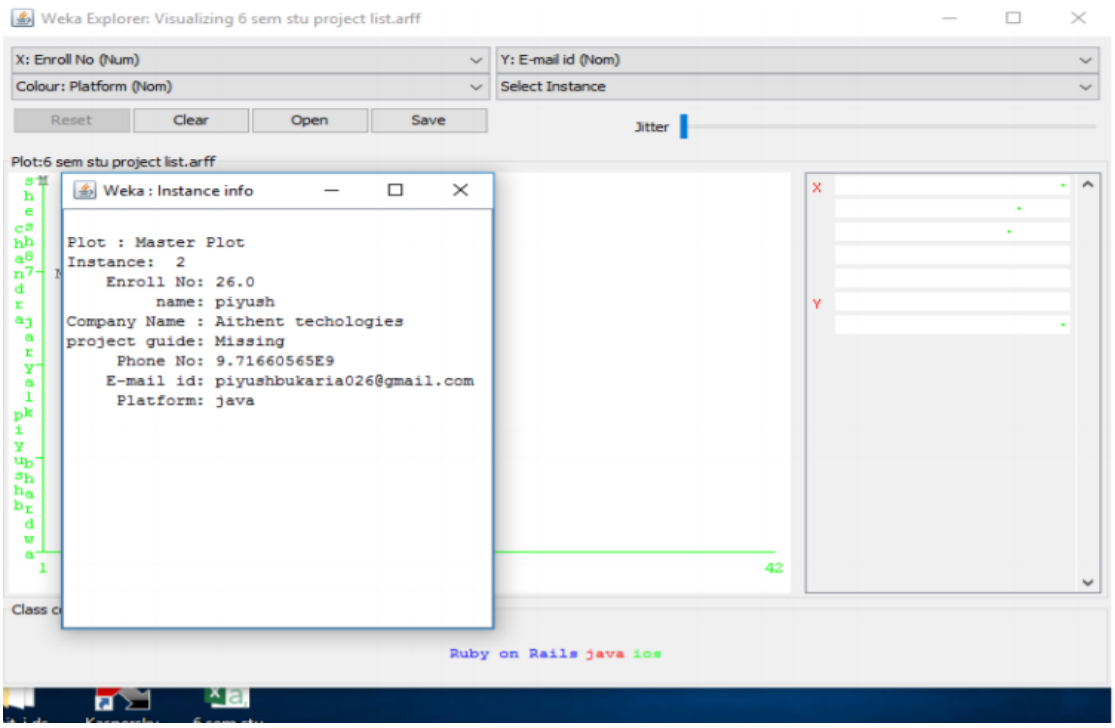
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Instance: 2
Enroll No: 26.0
name: piyush
Company Name : Aithent techologies
project guide: Missing
Phone No: 9.71660565E9
E-mail id: piyushbukaria026@gmail.com
Platform: java
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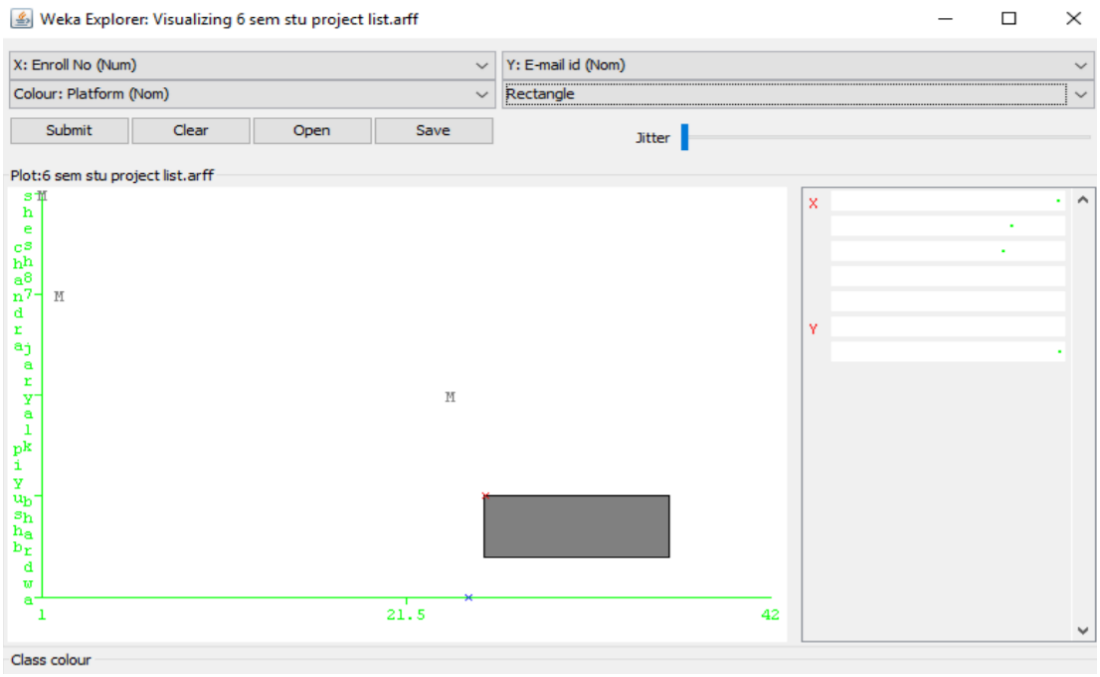
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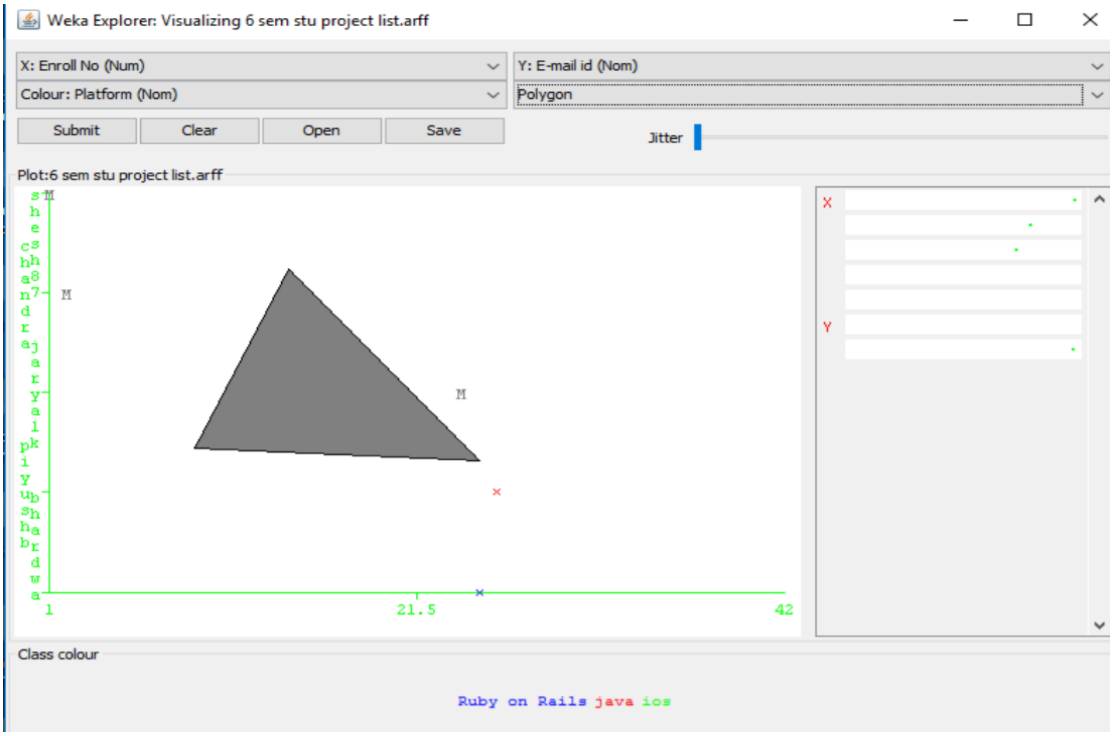
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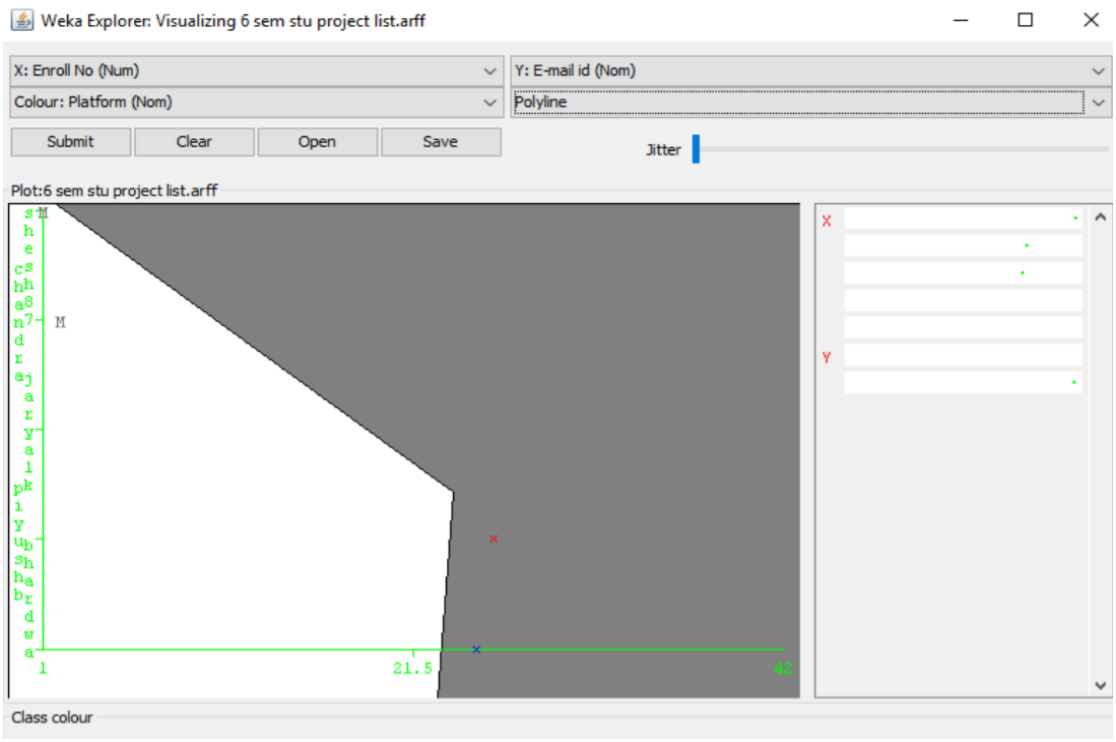
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