

BoundaryVisualizer

About

Class for visualizing class probability estimates.

More

Dataset

weather

Open File

Classifier

Choose

Logistic -R 1.0E-8 -M -1 -num-decimal-places 4

Class Attribute

play (Nom)



Visualization Attributes

X: temperature (Num)

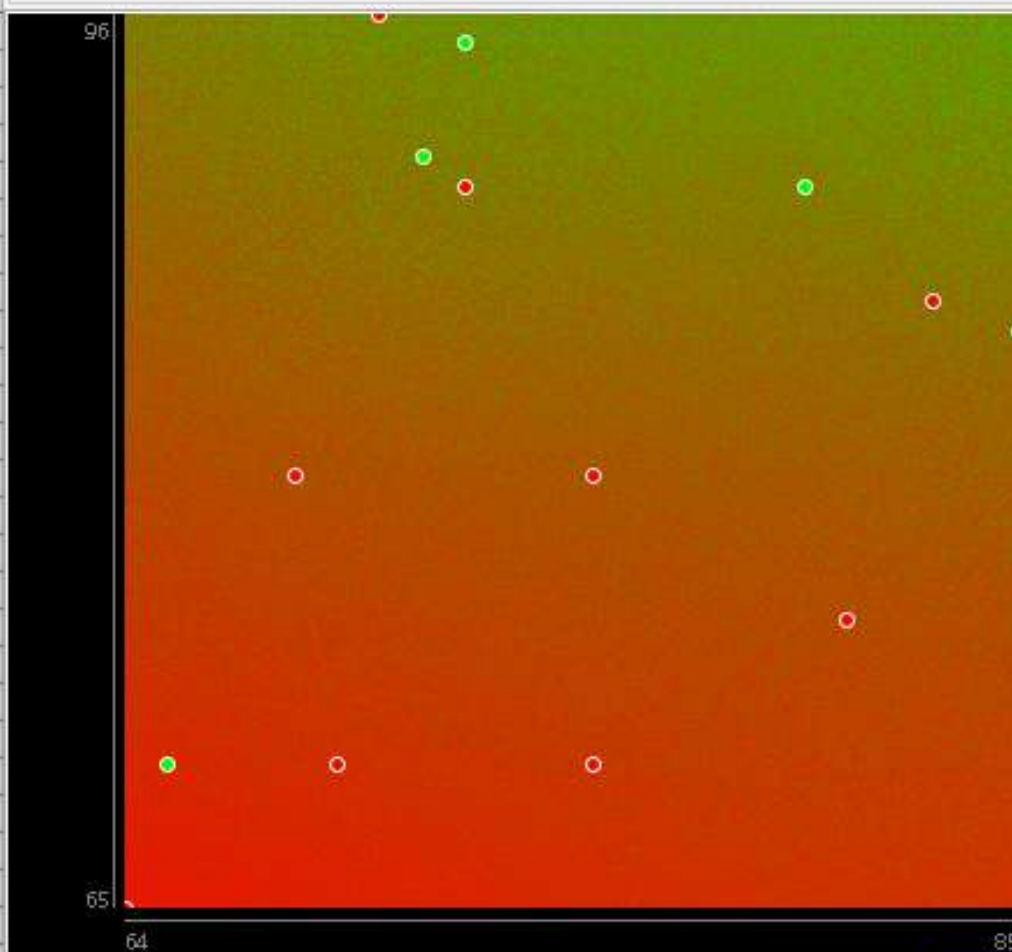


Y: humidity (Num)



Class color

yes no



Add / remove data points

☒ Add points

yes



☐ Remove points

Remove all

Open a new window

Sampling control

2

Base for sampling (r)

2

Num. locations per pixel

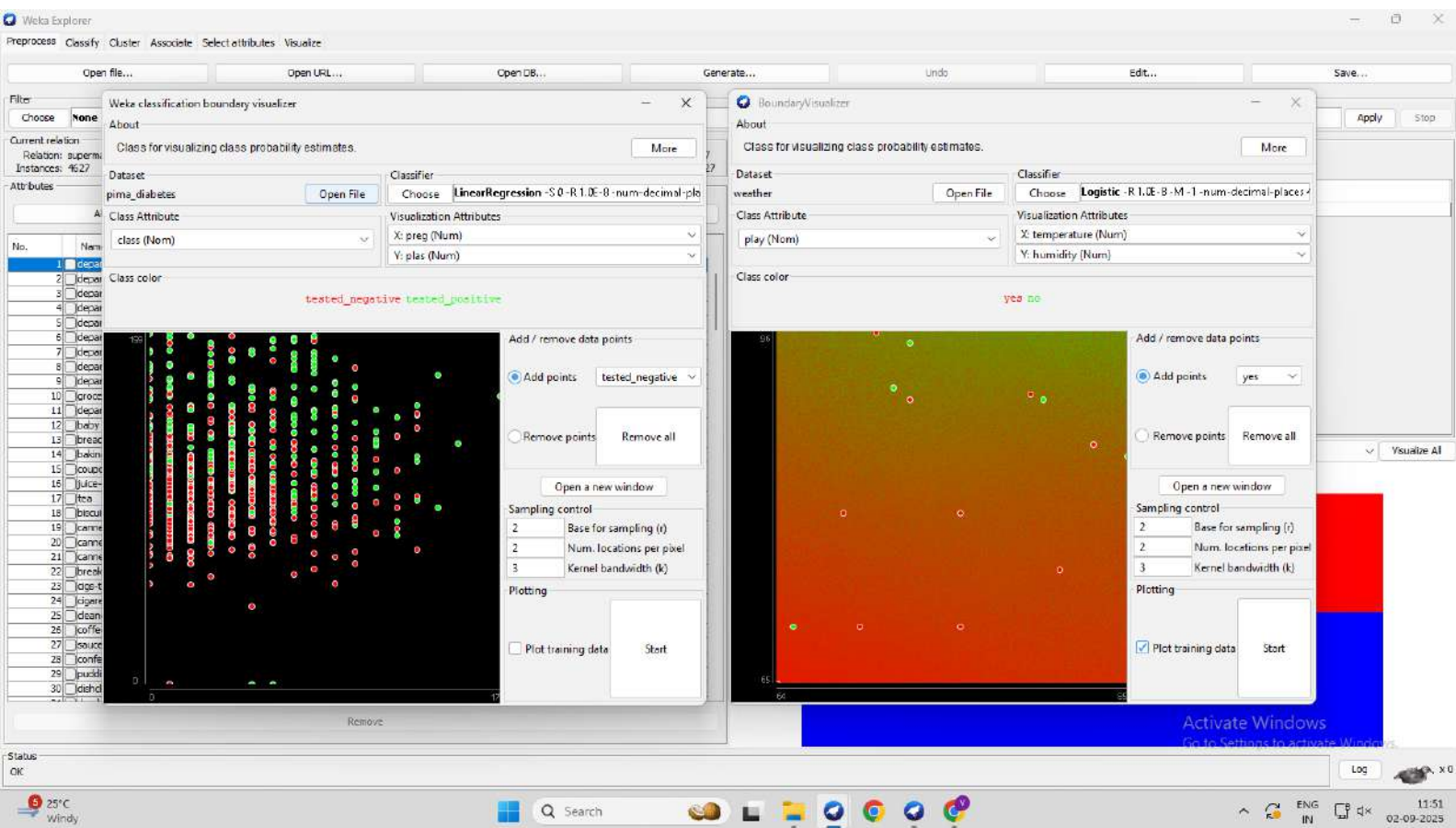
3

Kernel bandwidth (k)

Plotting

☒ Plot training data

Start



Weka classification boundary visualizer

About

Class for visualizing class probability estimates.

More

Dataset

pima_diabetes

Open File

Classifier

Choose

LinearRegression -S 0 -R 1.0E-8 -num-decimal-pla

Class Attribute

class (Nom)

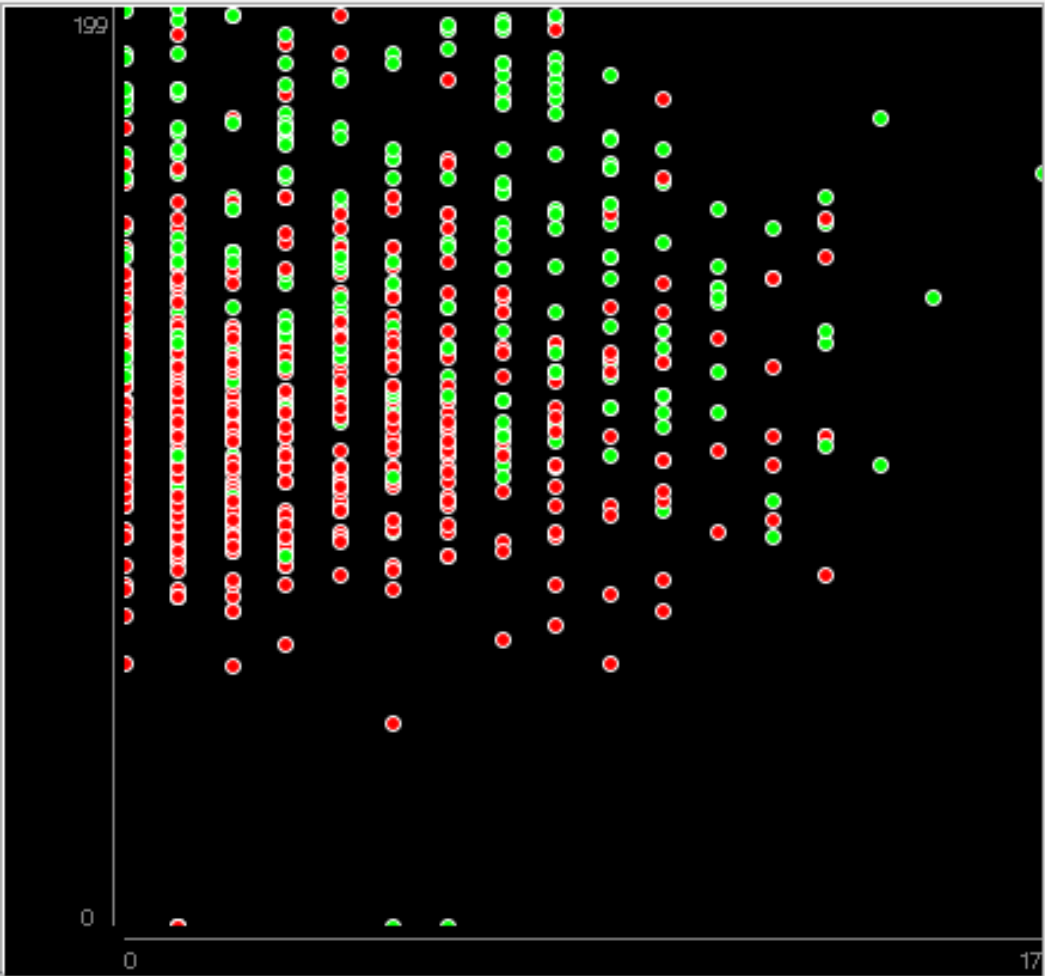
Visualization Attributes

X: preg (Num)

Y: plas (Num)

Class color

tested_negative tested_positive



Add / remove data points

☒ Add points

tested_negative

☐ Remove points

Remove all

Open a new window

Sampling control

2

Base for sampling (r)

2

Num. locations per pixel

3

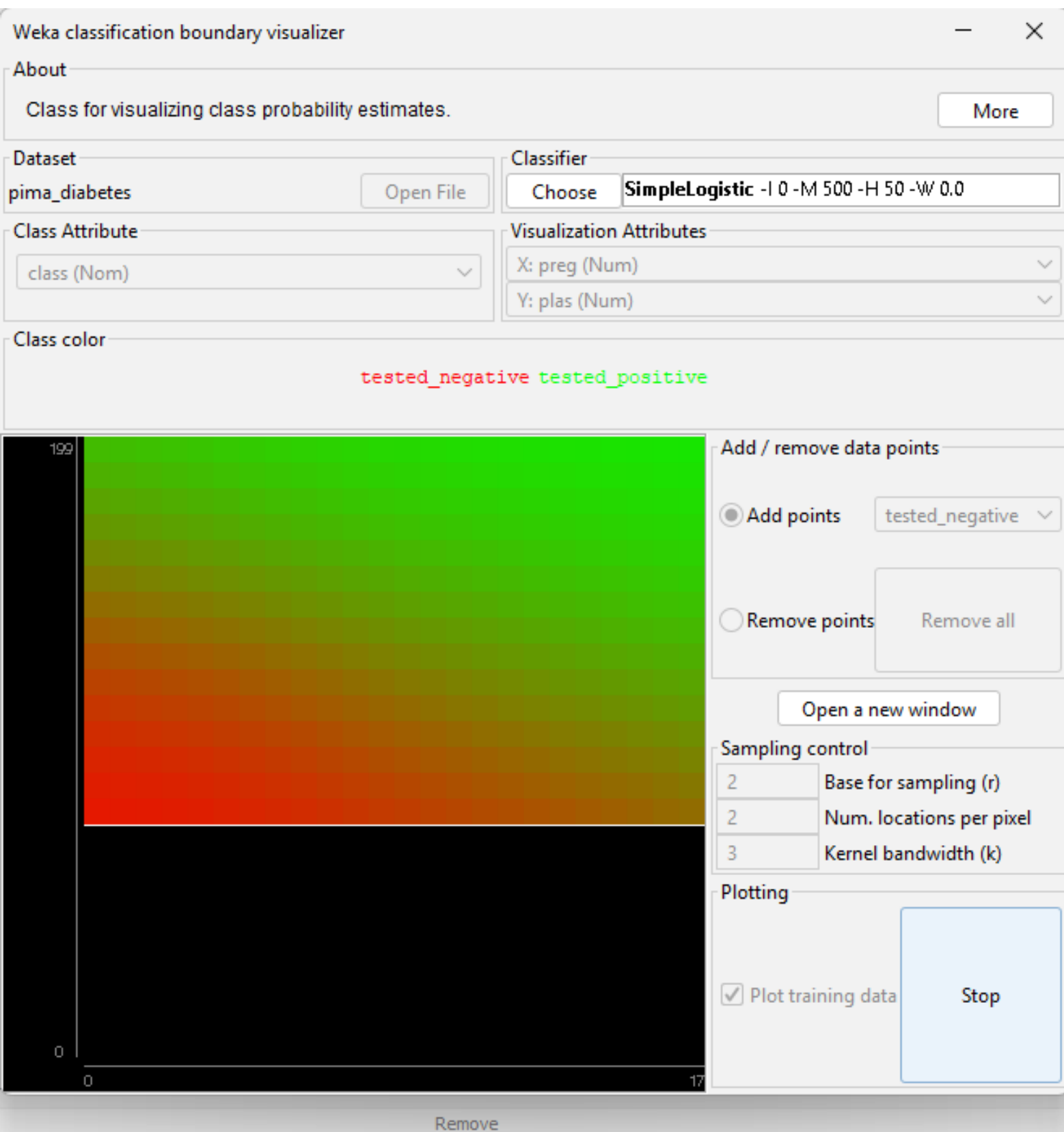
Kernel bandwidth (k)

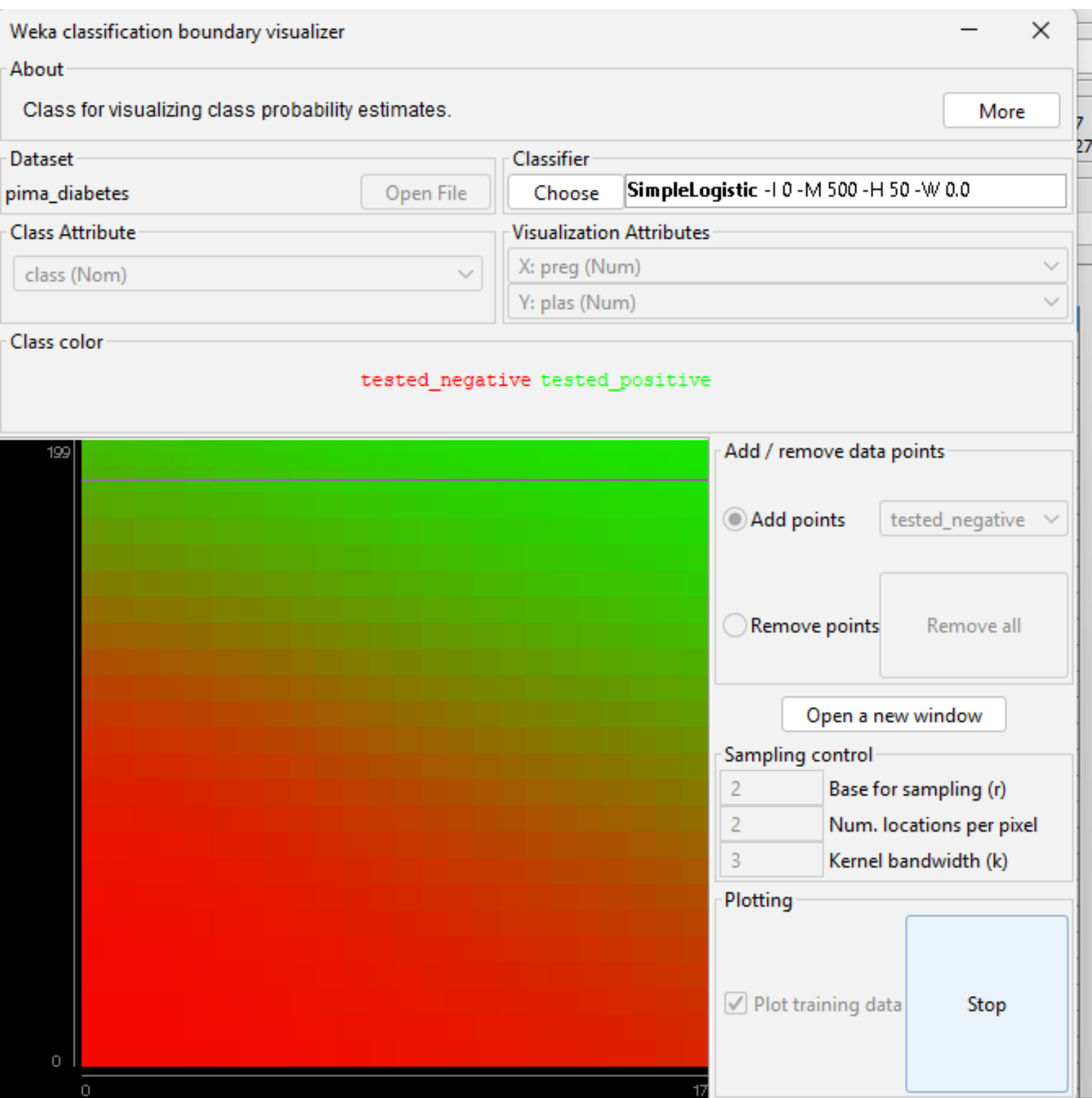
Plotting

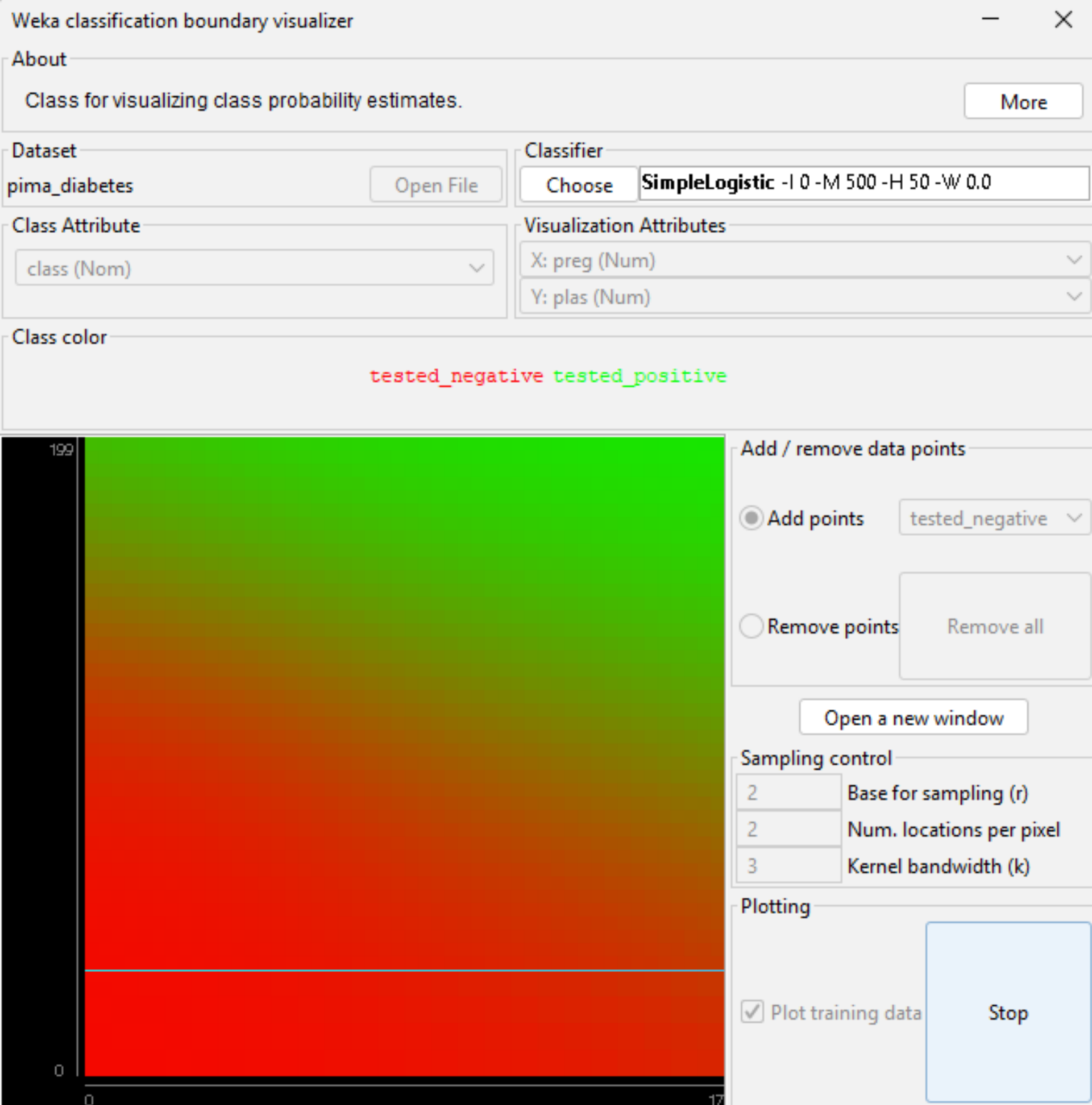
☐

Plot training data

Start







Weka Explorer

PreprocessClassifyClusterAssociateSelect attributesVisualize

Classifier

ChooseZeroR

Test options

☐ Use training set

☐ Supplied test set

☒ Cross-validation

☐ Percentage split

Set...

Folds10

%66

More options...

(Nom) total

StartStop

Result list (right-click for options)

11:39:35 - rules.ZeroR

Classifier output

Scheme:weka.classifiers.rules.ZeroR
Relation:supermarket
Instances:4627
Attributes:217
[list of attributes omitted]
Test mode:10-fold cross-validation

=== Classifier model (full training set) ===

ZeroR predicts class value: low

Time taken to build model: 0 seconds

--- Stratified cross-validation ---
--- Summary ---

Correctly Classified Instances294869.713 %
Incorrectly Classified Instances167936.287 %
Kappa statistic0
Mean absolute error0.4624
Root mean squared error0.4808
Relative absolute error100 %
Root relative squared error100 %
Total Number of Instances4627

--- Detailed Accuracy By Class ---

	TP Rate	FP Rate	Precision	Recall	F-Measure	MCC	ROC Area	PRC Area	Class
	1.000	1.000	0.637	1.000	0.778	?	0.459	0.637	low
	0.000	0.000	?	0.000	?	?	0.459	0.363	high
Weighted Avg.	0.637	0.637	?	0.637	?	?	0.459	0.537	

=== Confusion Matrix ===

a	b	<-- classified as	
2948	0	a - low	
1679	0	b - high	

Activate Windows

Get to Settings to activate Windows.

Log

Status

OK

iris.2D.arff

Relation: iris-weka.filters.unsupervised.attribute.Remove-R1-2

No.	1: petallength Numeric	2: petalwidth Numeric	3: class Nominal
1	1.4	0.2	Iris-se...
2	1.4	0.2	Iris-se...
3	1.3	0.2	Iris-se...
4	1.5	0.2	Iris-se...
5	1.4	0.2	Iris-se...
6	1.7	0.4	Iris-se...
7	1.4	0.3	Iris-se...
8	1.5	0.2	Iris-se...
9	1.4	0.2	Iris-se...
10	1.5	0.1	Iris-se...
11	1.5	0.2	Iris-se...
12	1.6	0.2	Iris-se...
13	1.4	0.1	Iris-se...
14	1.1	0.1	Iris-se...
15	1.2	0.2	Iris-se...
16	1.5	0.4	Iris-se...
17	1.3	0.4	Iris-se...
18	1.4	0.3	Iris-se...
19	1.7	0.3	Iris-se...
20	1.5	0.3	Iris-se...
21	1.7	0.2	Iris-se...
22	1.5	0.4	Iris-se...
23	1.0	0.2	Iris-se...
24	1.7	0.5	Iris-se...
25	1.9	0.2	Iris-se...
26	1.6	0.2	Iris-se...
27	1.6	0.4	Iris-se...
28	1.5	0.2	Iris-se...
29	1.4	0.2	Iris-se...
30	1.6	0.2	Iris-se...
31	1.6	0.2	Iris-se...
32	1.5	0.4	Iris-se...

Weka Explorer

PreprocessClassifyClusterAssociateSelect attributesVisualize

Open file...Open URL...Open DB...Generate...UndoEdit...Save...

FilterChooseAttributeSelection - E "weka.attributeSelection.CfsSubsetEval - P 1 - E 1" - S "weka.attributeSelection.BestFirst - D 1 - N 5"ApplyStop

Current relation
Relation: airline_passengers
Instances: 144
Attributes: 2
Sum of weights: 144

Attributes
AllNoneInvertPattern
No. Name
1 ☒ passenger_numbers
2 ☐ Date
Remove

Selected attribute
Name: passenger_numbers
Missing: 0 (0%)
Distinct: 118
Type: Numeric
Unique: 93 (65%)

Statistic	Value
Minimum	104
Maximum	622
Mean	280.299
StdDev	119.966

Class: Date (Det)Visualize All

Activate Windows
Go to Settings to activate Windows.

StatusOK

25°C Windy

Search

ENG IN

12:01 02-09-2025

Weka Explorer

Preprocess Classify Cluster Associate Select attributes Visualize

Classifier

Choose ZeroR

Test options

☐ Use training set

☐ Supplied test set

☒ Cross-validation Folds 10

☐ Percentage split % 65

(Data) Date

Result list (right-click for options)

- 12:01:11 - rules.ZeroR
- 12:02:00 - rules.ZeroR
- 12:02:01 - rules.ZeroR

Classifier output

--- Run information ---

Scheme: weka.classifiers.rules.ZeroR
Relation: airline_passengers
Instances: 144
Attributes: 2
passenger_numbers
Date
Test mode: 10-fold cross-validation

=== Classifier model (full training set) ===

ZeroR predicts class value: -4.747698E11

Time taken to build model: 0 seconds

--- Cross-validation ---

--- Summary ---

Correlation coefficient	-0.1539
Mean absolute error	94965961788.9085
Root mean squared error	109620175687.726
Relative absolute error	100 %
Root relative squared error	100 %
Total Number of Instances	144

Activate Windows
Go to Settings to activate Windows.

Status
OK

Log

Weka Explorer

PreprocessClassifyClusterAssociateSelect attributesVisualize

Clusterer

ChooseFarthestFirst - N 2 - S 1

Cluster mode

☐ Use training set

☒ Supplied test set

☐ Percentage split

☐ Classes to clusters evaluation

☒ Store clusters for visualization

Set...

%66

(Date) Date

Ignore attributes

Start

Stop

Result list (right-click for options)

12:02:39 - FarthestFirst

Cluster output

--- Run information ---

Scheme: weka.clusterers.FarthestFirst -N 2 -S 1
Relation: airline_passengers
Instances: 144
Attributes: 2
passenger_numbers
Date
Test mode: user supplied test set: 144 instances

--- Clustering model (full training set) ---

FarthestFirst

Cluster centroids:

Cluster 0
347.0 -3.866598E11
Cluster 1
622.0 -2.999142E11

Time taken to build model (full training data) : 0 seconds

=== Evaluation on test set ===
Clustered Instances

0136 (94%)
18 (6%)

Activate Windows
Go to Settings to activate Windows.

Status
OK

Log

Weka Explorer

Preprocess **Classify** Cluster Associate **Select attributes** Visualize

Attribute Evaluator

Choose **CfsSubsetEval -P 1 -E 1**

Search Method

Choose **BestFirst -D 1 -N 5**

Attribute Selection Mode

☒ Use full training set Folds: 10 Seed: 1

☐ Cross-validation

No class ☒ Start Stop

Result list (right-click for options)

1202453 - BestFirst - CfsSubsetEval

Attribute selection output

```
--- Run information ---
Evaluator:   weka.attributeSelection.CfsSubsetEval -P 1 -E 1
Search:     weka.attributeSelection.BestFirst -D 1 -N 5
Relation:   airline_passengers
Instances:  144
Attributes:  2
            passenger_numbers
            Date
Evaluation mode:  evaluate on all training data

=== Attribute Selection on all input data ===

Search Method:
  Best first.
  Start set: no attributes
  Search direction: forward
  Stale search after 5 node expansions
  Total number of subsets evaluated: 1
  Merit of best subset found: 0.924

Attribute Subset Evaluator (supervised, Class (numeric): 2 Date):
  CFS Subset Evaluator
  Including locally predictive attributes

Selected attributes: 1 : 1
                    passenger_numbers
```

Status: OK

Activate Windows
Go to Settings to activate Windows

Log

