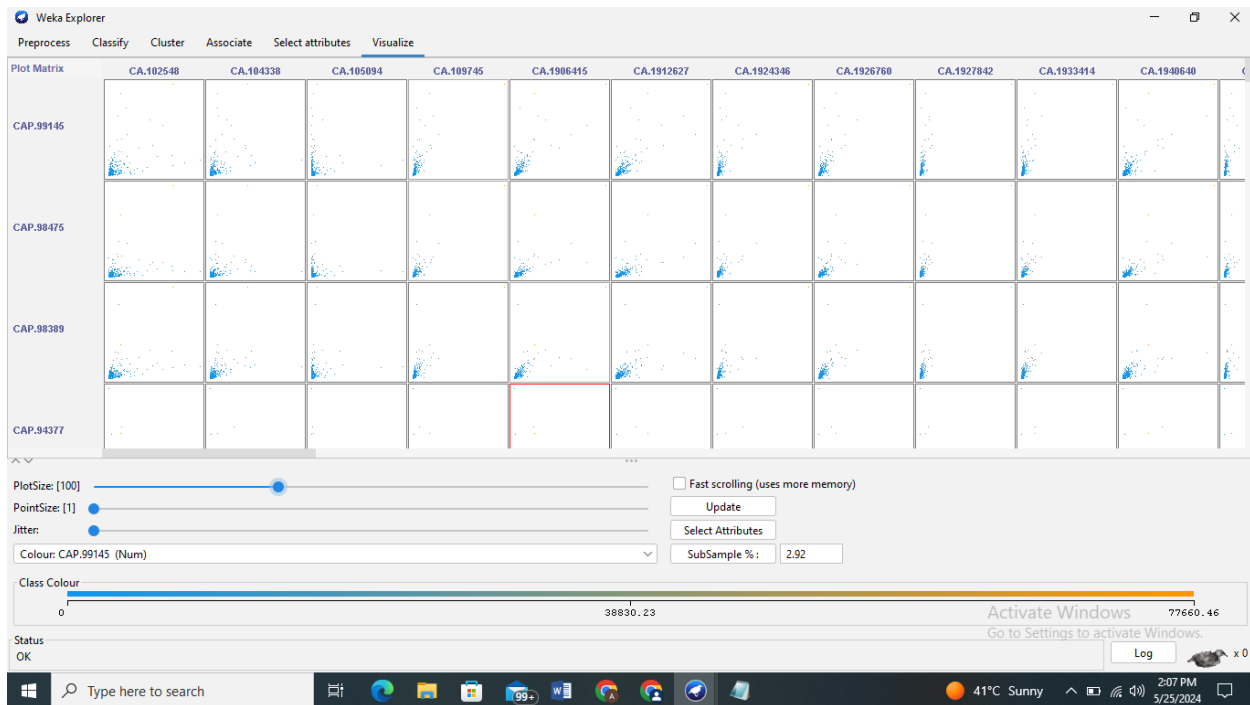




COMSATS University Islamabad Sahiwal, Campus

Assignment

- **Submitted by:** **Abdullah Shafiq**
- **Registration no:** **FA20-BCS-153**
- **Section:** **C**
- **Submitted to:** **Mam Raheela Shahzadi**
- **Subject:** **Bioinformatics**
- **Date of submission:** **25-05-2024**



Weka Explorer

Preprocess Classify Cluster Associate Select attributes Visualize

Classifier

Choose IBk -K 1 -W 0 -A "weka.core.neighboursearch.LinearNNSearch -A "weka.core.EuclideanDistance -R first-last""

Test options

☐ Use training set

☐ Supplied test set Set...

☒ Cross-validation Folds 10

☐ Percentage split % 66

More options...

(Num) CAP.99145

Start Stop

Result list (right-click for options)

13:39:23 - lazy.IBk

Classifier output

```
=====  
CAP.2039179  
CAP.2040686  
CAP.2046297  
CAP.2046641  
CAP.348981  
CAP.354300  
CAP.359448  
CAP.94377  
CAP.98389  
CAP.98475  
CAP.99145  
Test mode: 10-fold cross-validation  
==== Classifier model (full training set) ====  
IBk instance-based classifier  
using 1 nearest neighbour(s) for classification  
Time taken to build model: 0.07 seconds  
==== Cross-validation ====  
==== Summary ====  
Correlation coefficient 0.2506  
Mean absolute error 16.9613  
Root mean squared error 586.0174  
Relative absolute error 45.2708 %  
Root relative squared error 97.3575 %  
Total Number of Instances 17137
```

Status OK