**Simple KNN Code in SciKit Learn**

Copy this code into Jupiter or Spyder, run it. What is the obtained accuracy?

Graphical user interface, text, application, email

Description automatically generated

**Call the score() function over the training instances (X,y). What is the obtained accuracy?**

0.8205128205128205

Graphical user interface, text, application, email

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* **What is the maximum obtained accuracy on the test set? What are the parameter values (number of neighbors and distance metric) associated with this accuracy?**

0.9130434782608695

* **What is the maximum obtained accuracy on the training set? What are the parameter values associated with this accuracy?**

0.8205128205128205

* **Are the parameter values achieving maximum accuracy the same for the training and test sets?**

**No**

* **If no, what does this tell you about the classification performance of the KNN classifier?**

Performance of the test data is more accurate than the train data