Classifier

+ virtual void trainOrientation (std::string)=0
+ virtual void predictOrientation (double, double, double)=0
+ virtual void predictOrientation (std::string)=0

DummyClassifier

+ void trainOrientation (std::string) override
+ void predictOrientation (double, double, double) override
+ void predictOrientation (std::string) override

KNNClassifier

+ void trainOrientation (std::string) override
+ void predictOrientation (double, double, double) override
+ void predictOrientation (std::string) override

NNClassifier

- Data dataPoints
- Data testingPoints

+ void trainOrientation (std::string) override
+ void testingOrientation (std::string)
+ void predictOrientation (double, double, double) override
+ void predictOrientation (std::string) override
+ Data & nearestNeighbour (Data)