Data

- double x
- double y
- double z
- int o
- + Data()
- + Data(Data &)
- + Data(double, double, double, int)
- + double getX(void)
- + double getY(void)
- + double getZ(void)
- + int getO(void)
- + void setX(double)
- + void setY(double)
- + void setZ(double)
- + void setO(int)
- + double getDistanceFrom (Data)
- + std::string getOrientation (void)
- + Data operator=(Data)

Classifier

- + virtual void train (std::string)=0
- + virtual void predict (double, double, double, double)=0
- + virtual void predict (std::string)=0

DummyClassifier

- + void train(std::string) override
- + void predict(double, double, double) override
- + void predict(std::string)
 override

KNNClassifier

- + void train(std::string) override
- + void predict(double, double, double) override
- + woid predict(std::string) override

NNClassifier

- Data dataPoints
- Data testingPoints
- + void train(std::string) override
- + void testing(std::string)
- + void predict(double, double, double) override
- + void predict(std::string)
 override
- + Data & nearestNeighbour (Data)