/\* ----------------------------------------------------------------------------

\* This file was automatically generated by SWIG (http://www.swig.org).

\* Version 4.0.2

\*

\* Do not make changes to this file unless you know what you are doing--modify

\* the SWIG interface file instead.

\* ----------------------------------------------------------------------------- \*/

package com.twitter.ann.faiss;

public class ProgressiveDimClustering extends ProgressiveDimClusteringParameters {

private transient long swigCPtr;

protected ProgressiveDimClustering(long cPtr, boolean cMemoryOwn) {

super(swigfaissJNI.ProgressiveDimClustering\_SWIGUpcast(cPtr), cMemoryOwn);

swigCPtr = cPtr;

}

protected static long getCPtr(ProgressiveDimClustering obj) {

return (obj == null) ? 0 : obj.swigCPtr;

}

@SuppressWarnings("deprecation")

protected void finalize() {

delete();

}

public synchronized void delete() {

if (swigCPtr != 0) {

if (swigCMemOwn) {

swigCMemOwn = false;

swigfaissJNI.delete\_ProgressiveDimClustering(swigCPtr);

}

swigCPtr = 0;

}

super.delete();

}

public void setD(long value) {

swigfaissJNI.ProgressiveDimClustering\_d\_set(swigCPtr, this, value);

}

public long getD() {

return swigfaissJNI.ProgressiveDimClustering\_d\_get(swigCPtr, this);

}

public void setK(long value) {

swigfaissJNI.ProgressiveDimClustering\_k\_set(swigCPtr, this, value);

}

public long getK() {

return swigfaissJNI.ProgressiveDimClustering\_k\_get(swigCPtr, this);

}

public void setCentroids(FloatVector value) {

swigfaissJNI.ProgressiveDimClustering\_centroids\_set(swigCPtr, this, FloatVector.getCPtr(value), value);

}

public FloatVector getCentroids() {

long cPtr = swigfaissJNI.ProgressiveDimClustering\_centroids\_get(swigCPtr, this);

return (cPtr == 0) ? null : new FloatVector(cPtr, false);

}

public void setIteration\_stats(SWIGTYPE\_p\_std\_\_vectorT\_faiss\_\_ClusteringIterationStats\_t value) {

swigfaissJNI.ProgressiveDimClustering\_iteration\_stats\_set(swigCPtr, this, SWIGTYPE\_p\_std\_\_vectorT\_faiss\_\_ClusteringIterationStats\_t.getCPtr(value));

}

public SWIGTYPE\_p\_std\_\_vectorT\_faiss\_\_ClusteringIterationStats\_t getIteration\_stats() {

long cPtr = swigfaissJNI.ProgressiveDimClustering\_iteration\_stats\_get(swigCPtr, this);

return (cPtr == 0) ? null : new SWIGTYPE\_p\_std\_\_vectorT\_faiss\_\_ClusteringIterationStats\_t(cPtr, false);

}

public ProgressiveDimClustering(int d, int k) {

this(swigfaissJNI.new\_ProgressiveDimClustering\_\_SWIG\_0(d, k), true);

}

public ProgressiveDimClustering(int d, int k, ProgressiveDimClusteringParameters cp) {

this(swigfaissJNI.new\_ProgressiveDimClustering\_\_SWIG\_1(d, k, ProgressiveDimClusteringParameters.getCPtr(cp), cp), true);

}

public void train(long n, SWIGTYPE\_p\_float x, ProgressiveDimIndexFactory factory) {

swigfaissJNI.ProgressiveDimClustering\_train(swigCPtr, this, n, SWIGTYPE\_p\_float.getCPtr(x), ProgressiveDimIndexFactory.getCPtr(factory), factory);

}

}