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

\* 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 CenteringTransform extends VectorTransform {

private transient long swigCPtr;

protected CenteringTransform(long cPtr, boolean cMemoryOwn) {

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

swigCPtr = cPtr;

}

protected static long getCPtr(CenteringTransform 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\_CenteringTransform(swigCPtr);

}

swigCPtr = 0;

}

super.delete();

}

public void setMean(FloatVector value) {

swigfaissJNI.CenteringTransform\_mean\_set(swigCPtr, this, FloatVector.getCPtr(value), value);

}

public FloatVector getMean() {

long cPtr = swigfaissJNI.CenteringTransform\_mean\_get(swigCPtr, this);

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

}

public CenteringTransform(int d) {

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

}

public CenteringTransform() {

this(swigfaissJNI.new\_CenteringTransform\_\_SWIG\_1(), true);

}

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

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

}

public void apply\_noalloc(long n, SWIGTYPE\_p\_float x, SWIGTYPE\_p\_float xt) {

swigfaissJNI.CenteringTransform\_apply\_noalloc(swigCPtr, this, n, SWIGTYPE\_p\_float.getCPtr(x), SWIGTYPE\_p\_float.getCPtr(xt));

}

public void reverse\_transform(long n, SWIGTYPE\_p\_float xt, SWIGTYPE\_p\_float x) {

swigfaissJNI.CenteringTransform\_reverse\_transform(swigCPtr, this, n, SWIGTYPE\_p\_float.getCPtr(xt), SWIGTYPE\_p\_float.getCPtr(x));

}

}