package com.twitter.home\_mixer.util

import com.twitter.ml.api.thriftscala.FloatTensor

import com.twitter.ml.api.util.BufferToIterators.RichFloatBuffer

import java.nio.ByteBuffer

import java.nio.ByteOrder

/\*\*

\* Contains functionality to transform data records and Tensors

\*/

object TensorFlowUtil {

private def skipEmbeddingBBHeader(bb: ByteBuffer): ByteBuffer = {

val bb\_copy = bb.duplicate()

bb\_copy.getLong()

bb\_copy

}

private def byteBufferToFloatIterator(

bb: ByteBuffer

): Iterator[Float] = {

bb.order(ByteOrder.LITTLE\_ENDIAN).asFloatBuffer.iterator

}

def embeddingByteBufferToFloatTensor(

bb: ByteBuffer

): FloatTensor = {

val bb\_content = skipEmbeddingBBHeader(bb)

FloatTensor(byteBufferToFloatIterator(bb\_content).map(\_.toDouble).toList)

}

}