package com.twitter.home\_mixer.util

import com.twitter.ml.api.DataRecord

import com.twitter.ml.api.FeatureContext

import com.twitter.ml.api.util.SRichDataRecord

import com.twitter.ml.api.Feature

import java.lang.{Double => JDouble}

object DataRecordUtil {

def applyRename(

dataRecord: DataRecord,

featureContext: FeatureContext,

renamedFeatureContext: FeatureContext,

featureRenamingMap: Map[Feature[\_], Feature[\_]]

): DataRecord = {

val richFullDr = new SRichDataRecord(dataRecord, featureContext)

val richNewDr = new SRichDataRecord(new DataRecord, renamedFeatureContext)

val featureIterator = featureContext.iterator()

featureIterator.forEachRemaining { feature =>

if (richFullDr.hasFeature(feature)) {

val renamedFeature = featureRenamingMap.getOrElse(feature, feature)

val typedFeature = feature.asInstanceOf[Feature[JDouble]]

val typedRenamedFeature = renamedFeature.asInstanceOf[Feature[JDouble]]

richNewDr.setFeatureValue(typedRenamedFeature, richFullDr.getFeatureValue(typedFeature))

}

}

richNewDr.getRecord

}

}