package com.twitter.timelines.prediction.features.simcluster

import com.twitter.dal.personal\_data.thriftjava.PersonalDataType.SemanticcoreClassification

import com.twitter.ml.api.Feature

import com.twitter.ml.api.Feature.Continuous

import com.twitter.timelines.data\_processing.ml\_util.aggregation\_framework.conversion.CombineCountsBase

import scala.collection.JavaConverters.\_

object SimclustersScoresFeatures extends CombineCountsBase {

override def topK: Int = 2

override def hardLimit: Option[Int] = Some(20)

val prefix = s"recommendations.sim\_clusters\_scores"

val TOPIC\_CONSUMER\_TWEET\_EMBEDDING\_Cs = new Continuous(

s"$prefix.localized\_topic\_consumer\_tweet\_embedding\_cosine\_similarity",

Set(SemanticcoreClassification).asJava)

val TOPIC\_PRODUCER\_TWEET\_EMBEDDING\_Cs = new Continuous(

s"$prefix.topic\_producer\_tweet\_embedding\_cosine\_similarity",

Set(SemanticcoreClassification).asJava)

val USER\_TOPIC\_CONSUMER\_TWEET\_EMBEDDING\_COSINE\_SIM = new Continuous(

s"$prefix.user\_interested\_in\_localized\_topic\_consumer\_embedding\_cosine\_similarity",

Set(SemanticcoreClassification).asJava)

val USER\_TOPIC\_CONSUMER\_TWEET\_EMBEDDING\_DOT\_PRODUCT = new Continuous(

s"$prefix.user\_interested\_in\_localized\_topic\_consumer\_embedding\_dot\_product",

Set(SemanticcoreClassification).asJava)

val USER\_TOPIC\_PRODUCER\_TWEET\_EMBEDDING\_COSINE\_SIM = new Continuous(

s"$prefix.user\_interested\_in\_localized\_topic\_producer\_embedding\_cosine\_similarity",

Set(SemanticcoreClassification).asJava)

val USER\_TOPIC\_PRODUCER\_TWEET\_EMBEDDING\_DOT\_PRODUCT = new Continuous(

s"$prefix.user\_interested\_in\_localized\_topic\_producer\_embedding\_dot\_product",

Set(SemanticcoreClassification).asJava)

override def precomputedCountFeatures: Seq[Feature[\_]] =

Seq(

TOPIC\_CONSUMER\_TWEET\_EMBEDDING\_Cs,

TOPIC\_PRODUCER\_TWEET\_EMBEDDING\_Cs,

USER\_TOPIC\_CONSUMER\_TWEET\_EMBEDDING\_COSINE\_SIM,

USER\_TOPIC\_CONSUMER\_TWEET\_EMBEDDING\_DOT\_PRODUCT,

USER\_TOPIC\_PRODUCER\_TWEET\_EMBEDDING\_COSINE\_SIM,

USER\_TOPIC\_PRODUCER\_TWEET\_EMBEDDING\_DOT\_PRODUCT

)

}