package com.twitter.simclusters\_v2.scalding.topic\_recommendations.model\_based\_topic\_recommendations

import com.twitter.ml.api.{Feature, FeatureContext}

import com.twitter.ml.api.constant.SharedFeatures

object UserFeatures {

val UserIdFeature = SharedFeatures.USER\_ID // User-id

val UserSimClusterFeatures =

new Feature.SparseContinuous(

"user.simclusters.interested\_in"

) // User's interestedIn simcluster embeddding

val UserCountryFeature = new Feature.Text("user.country") // user's country code

val UserLanguageFeature = new Feature.Text("user.language") // user's language

val FollowedTopicIdFeatures =

new Feature.SparseBinary(

"followed\_topics.id"

) // SparseBinary features for the set of followed topics

val NotInterestedTopicIdFeatures =

new Feature.SparseBinary(

"not\_interested\_topics.id"

) // SparseBinary features for the set of not-interested topics

val FollowedTopicSimClusterAvgFeatures =

new Feature.SparseContinuous(

"followed\_topics.simclusters.avg"

) // Average SimCluster Embedding of the followed topics

val NotInterestedTopicSimClusterAvgFeatures =

new Feature.SparseContinuous(

"not\_interested\_topics.simclusters.avg"

) // Average SimCluster Embedding of the followed topics

val TargetTopicIdFeatures = new Feature.Discrete("target\_topic.id") // target topic-id

val TargetTopicSimClustersFeature =

new Feature.SparseContinuous(

"target\_topic.simclusters"

) // SimCluster embedding of the target topic

val FeatureContext = new FeatureContext(

UserIdFeature,

UserSimClusterFeatures,

UserCountryFeature,

UserLanguageFeature,

FollowedTopicIdFeatures,

NotInterestedTopicIdFeatures,

FollowedTopicSimClusterAvgFeatures,

NotInterestedTopicSimClusterAvgFeatures,

TargetTopicIdFeatures,

TargetTopicSimClustersFeature

)

}