package com.twitter.timelines.prediction.features.common

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

import com.twitter.ml.api.Feature

import com.twitter.ml.api.Feature.Binary

import java.lang.{Boolean => JBoolean}

import scala.collection.JavaConverters.\_

object ProfileLabelFeatures {

private val prefix = "profile"

val IS\_CLICKED =

new Binary(s"${prefix}.engagement.is\_clicked", Set(TweetsClicked, EngagementsPrivate).asJava)

val IS\_DWELLED =

new Binary(s"${prefix}.engagement.is\_dwelled", Set(TweetsViewed, EngagementsPrivate).asJava)

val IS\_FAVORITED = new Binary(

s"${prefix}.engagement.is\_favorited",

Set(PublicLikes, PrivateLikes, EngagementsPrivate, EngagementsPublic).asJava)

val IS\_REPLIED = new Binary(

s"${prefix}.engagement.is\_replied",

Set(PublicReplies, PrivateReplies, EngagementsPrivate, EngagementsPublic).asJava)

val IS\_RETWEETED = new Binary(

s"${prefix}.engagement.is\_retweeted",

Set(PublicRetweets, PrivateRetweets, EngagementsPrivate, EngagementsPublic).asJava)

// Negative engagements

val IS\_DONT\_LIKE =

new Binary(s"${prefix}.engagement.is\_dont\_like", Set(EngagementsPrivate).asJava)

val IS\_BLOCK\_CLICKED = new Binary(

s"${prefix}.engagement.is\_block\_clicked",

Set(Blocks, TweetsClicked, EngagementsPrivate, EngagementsPublic).asJava)

val IS\_MUTE\_CLICKED = new Binary(

s"${prefix}.engagement.is\_mute\_clicked",

Set(Mutes, TweetsClicked, EngagementsPrivate).asJava)

val IS\_REPORT\_TWEET\_CLICKED = new Binary(

s"${prefix}.engagement.is\_report\_tweet\_clicked",

Set(TweetsClicked, EngagementsPrivate).asJava)

val IS\_NEGATIVE\_FEEDBACK\_UNION = new Binary(

s"${prefix}.engagement.is\_negative\_feedback\_union",

Set(EngagementsPrivate, Blocks, Mutes, TweetsClicked, EngagementsPublic).asJava)

val CoreEngagements: Set[Feature[JBoolean]] = Set(

IS\_CLICKED,

IS\_DWELLED,

IS\_FAVORITED,

IS\_REPLIED,

IS\_RETWEETED

)

val NegativeEngagements: Set[Feature[JBoolean]] = Set(

IS\_DONT\_LIKE,

IS\_BLOCK\_CLICKED,

IS\_MUTE\_CLICKED,

IS\_REPORT\_TWEET\_CLICKED

)

}

object SearchLabelFeatures {

private val prefix = "search"

val IS\_CLICKED =

new Binary(s"${prefix}.engagement.is\_clicked", Set(TweetsClicked, EngagementsPrivate).asJava)

val IS\_DWELLED =

new Binary(s"${prefix}.engagement.is\_dwelled", Set(TweetsViewed, EngagementsPrivate).asJava)

val IS\_FAVORITED = new Binary(

s"${prefix}.engagement.is\_favorited",

Set(PublicLikes, PrivateLikes, EngagementsPrivate, EngagementsPublic).asJava)

val IS\_REPLIED = new Binary(

s"${prefix}.engagement.is\_replied",

Set(PublicReplies, PrivateReplies, EngagementsPrivate, EngagementsPublic).asJava)

val IS\_RETWEETED = new Binary(

s"${prefix}.engagement.is\_retweeted",

Set(PublicRetweets, PrivateRetweets, EngagementsPrivate, EngagementsPublic).asJava)

val IS\_PROFILE\_CLICKED\_SEARCH\_RESULT\_USER = new Binary(

s"${prefix}.engagement.is\_profile\_clicked\_search\_result\_user",

Set(ProfilesClicked, ProfilesViewed, EngagementsPrivate).asJava)

val IS\_PROFILE\_CLICKED\_SEARCH\_RESULT\_TWEET = new Binary(

s"${prefix}.engagement.is\_profile\_clicked\_search\_result\_tweet",

Set(ProfilesClicked, ProfilesViewed, EngagementsPrivate).asJava)

val IS\_PROFILE\_CLICKED\_TYPEAHEAD\_USER = new Binary(

s"${prefix}.engagement.is\_profile\_clicked\_typeahead\_user",

Set(ProfilesClicked, ProfilesViewed, EngagementsPrivate).asJava)

val CoreEngagements: Set[Feature[JBoolean]] = Set(

IS\_CLICKED,

IS\_DWELLED,

IS\_FAVORITED,

IS\_REPLIED,

IS\_RETWEETED,

IS\_PROFILE\_CLICKED\_SEARCH\_RESULT\_USER,

IS\_PROFILE\_CLICKED\_SEARCH\_RESULT\_TWEET,

IS\_PROFILE\_CLICKED\_TYPEAHEAD\_USER

)

}

// Add Tweet Detail labels later