package com.twitter.cr\_mixer.config

import com.twitter.conversions.DurationOps.\_

import com.twitter.cr\_mixer.exception.InvalidSANNConfigException

import com.twitter.simclusters\_v2.thriftscala.EmbeddingType

import com.twitter.simclustersann.thriftscala.ScoringAlgorithm

import com.twitter.simclustersann.thriftscala.{SimClustersANNConfig => ThriftSimClustersANNConfig}

import com.twitter.util.Duration

case class SimClustersANNConfig(

maxNumResults: Int,

minScore: Double,

candidateEmbeddingType: EmbeddingType,

maxTopTweetsPerCluster: Int,

maxScanClusters: Int,

maxTweetCandidateAge: Duration,

minTweetCandidateAge: Duration,

annAlgorithm: ScoringAlgorithm) {

val toSANNConfigThrift: ThriftSimClustersANNConfig = ThriftSimClustersANNConfig(

maxNumResults = maxNumResults,

minScore = minScore,

candidateEmbeddingType = candidateEmbeddingType,

maxTopTweetsPerCluster = maxTopTweetsPerCluster,

maxScanClusters = maxScanClusters,

maxTweetCandidateAgeHours = maxTweetCandidateAge.inHours,

minTweetCandidateAgeHours = minTweetCandidateAge.inHours,

annAlgorithm = annAlgorithm,

)

}

object SimClustersANNConfig {

final val DefaultConfig = SimClustersANNConfig(

maxNumResults = 200,

minScore = 0.0,

candidateEmbeddingType = EmbeddingType.LogFavBasedTweet,

maxTopTweetsPerCluster = 800,

maxScanClusters = 50,

maxTweetCandidateAge = 24.hours,

minTweetCandidateAge = 0.hours,

annAlgorithm = ScoringAlgorithm.CosineSimilarity,

)

/\*

SimClustersANNConfigId: String

Format: Prod - “EmbeddingType\_ModelVersion\_Default”

Format: Experiment - “EmbeddingType\_ModelVersion\_Date\_Two-Digit-Serial-Number”. Date : YYYYMMDD

\*/

private val FavBasedProducer\_Model20m145k2020\_Default = DefaultConfig.copy()

// Chunnan's exp on maxTweetCandidateAgeDays 2

private val FavBasedProducer\_Model20m145k2020\_20220617\_06 =

FavBasedProducer\_Model20m145k2020\_Default.copy(

maxTweetCandidateAge = 48.hours,

)

// Experimental SANN config

private val FavBasedProducer\_Model20m145k2020\_20220801 =

FavBasedProducer\_Model20m145k2020\_Default.copy(

candidateEmbeddingType = EmbeddingType.VideoPlayBack50LogFavBasedTweet,

)

// SANN-1 config

private val FavBasedProducer\_Model20m145k2020\_20220810 =

FavBasedProducer\_Model20m145k2020\_Default.copy(

maxNumResults = 100,

candidateEmbeddingType = EmbeddingType.LogFavBasedAdsTweet,

maxTweetCandidateAge = 175200.hours,

maxTopTweetsPerCluster = 1600

)

// SANN-2 config

private val FavBasedProducer\_Model20m145k2020\_20220818 =

FavBasedProducer\_Model20m145k2020\_Default.copy(

maxNumResults = 100,

candidateEmbeddingType = EmbeddingType.LogFavClickBasedAdsTweet,

maxTweetCandidateAge = 175200.hours,

maxTopTweetsPerCluster = 1600

)

// SANN-3 config

private val FavBasedProducer\_Model20m145k2020\_20220819 =

FavBasedProducer\_Model20m145k2020\_Default.copy(

candidateEmbeddingType = EmbeddingType.PushOpenLogFavBasedTweet,

)

// SANN-5 config

private val FavBasedProducer\_Model20m145k2020\_20221221 =

FavBasedProducer\_Model20m145k2020\_Default.copy(

candidateEmbeddingType = EmbeddingType.LogFavBasedRealTimeTweet,

maxTweetCandidateAge = 1.hours

)

// SANN-4 config

private val FavBasedProducer\_Model20m145k2020\_20221220 =

FavBasedProducer\_Model20m145k2020\_Default.copy(

candidateEmbeddingType = EmbeddingType.LogFavBasedEvergreenTweet,

maxTweetCandidateAge = 48.hours

)

private val LogFavLongestL2EmbeddingTweet\_Model20m145k2020\_Default = DefaultConfig.copy()

// Chunnan's exp on maxTweetCandidateAgeDays 2

private val LogFavLongestL2EmbeddingTweet\_Model20m145k2020\_20220617\_06 =

LogFavLongestL2EmbeddingTweet\_Model20m145k2020\_Default.copy(

maxTweetCandidateAge = 48.hours,

)

// Experimental SANN config

private val LogFavLongestL2EmbeddingTweet\_Model20m145k2020\_20220801 =

LogFavLongestL2EmbeddingTweet\_Model20m145k2020\_Default.copy(

candidateEmbeddingType = EmbeddingType.VideoPlayBack50LogFavBasedTweet,

)

// SANN-1 config

private val LogFavLongestL2EmbeddingTweet\_Model20m145k2020\_20220810 =

LogFavLongestL2EmbeddingTweet\_Model20m145k2020\_Default.copy(

maxNumResults = 100,

candidateEmbeddingType = EmbeddingType.LogFavBasedAdsTweet,

maxTweetCandidateAge = 175200.hours,

maxTopTweetsPerCluster = 1600

)

// SANN-2 config

private val LogFavLongestL2EmbeddingTweet\_Model20m145k2020\_20220818 =

LogFavLongestL2EmbeddingTweet\_Model20m145k2020\_Default.copy(

maxNumResults = 100,

candidateEmbeddingType = EmbeddingType.LogFavClickBasedAdsTweet,

maxTweetCandidateAge = 175200.hours,

maxTopTweetsPerCluster = 1600

)

// SANN-3 config

private val LogFavLongestL2EmbeddingTweet\_Model20m145k2020\_20220819 =

LogFavLongestL2EmbeddingTweet\_Model20m145k2020\_Default.copy(

candidateEmbeddingType = EmbeddingType.PushOpenLogFavBasedTweet,

)

// SANN-5 config

private val LogFavLongestL2EmbeddingTweet\_Model20m145k2020\_20221221 =

LogFavLongestL2EmbeddingTweet\_Model20m145k2020\_Default.copy(

candidateEmbeddingType = EmbeddingType.LogFavBasedRealTimeTweet,

maxTweetCandidateAge = 1.hours

)

// SANN-4 config

private val LogFavLongestL2EmbeddingTweet\_Model20m145k2020\_20221220 =

LogFavLongestL2EmbeddingTweet\_Model20m145k2020\_Default.copy(

candidateEmbeddingType = EmbeddingType.LogFavBasedEvergreenTweet,

maxTweetCandidateAge = 48.hours

)

private val UnfilteredUserInterestedIn\_Model20m145k2020\_Default = DefaultConfig.copy()

// Chunnan's exp on maxTweetCandidateAgeDays 2

private val UnfilteredUserInterestedIn\_Model20m145k2020\_20220617\_06 =

UnfilteredUserInterestedIn\_Model20m145k2020\_Default.copy(

maxTweetCandidateAge = 48.hours,

)

// Experimental SANN config

private val UnfilteredUserInterestedIn\_Model20m145k2020\_20220801 =

UnfilteredUserInterestedIn\_Model20m145k2020\_20220617\_06.copy(

candidateEmbeddingType = EmbeddingType.VideoPlayBack50LogFavBasedTweet,

)

// SANN-1 config

private val UnfilteredUserInterestedIn\_Model20m145k2020\_20220810 =

UnfilteredUserInterestedIn\_Model20m145k2020\_Default.copy(

maxNumResults = 100,

candidateEmbeddingType = EmbeddingType.LogFavBasedAdsTweet,

maxTweetCandidateAge = 175200.hours,

maxTopTweetsPerCluster = 1600

)

// SANN-2 config

private val UnfilteredUserInterestedIn\_Model20m145k2020\_20220818 =

UnfilteredUserInterestedIn\_Model20m145k2020\_Default.copy(

maxNumResults = 100,

candidateEmbeddingType = EmbeddingType.LogFavClickBasedAdsTweet,

maxTweetCandidateAge = 175200.hours,

maxTopTweetsPerCluster = 1600

)

// SANN-3 config

private val UnfilteredUserInterestedIn\_Model20m145k2020\_20220819 =

UnfilteredUserInterestedIn\_Model20m145k2020\_Default.copy(

candidateEmbeddingType = EmbeddingType.PushOpenLogFavBasedTweet,

)

// SANN-5 config

private val UnfilteredUserInterestedIn\_Model20m145k2020\_20221221 =

UnfilteredUserInterestedIn\_Model20m145k2020\_Default.copy(

candidateEmbeddingType = EmbeddingType.LogFavBasedRealTimeTweet,

maxTweetCandidateAge = 1.hours

)

// SANN-4 config

private val UnfilteredUserInterestedIn\_Model20m145k2020\_20221220 =

UnfilteredUserInterestedIn\_Model20m145k2020\_Default.copy(

candidateEmbeddingType = EmbeddingType.LogFavBasedEvergreenTweet,

maxTweetCandidateAge = 48.hours

)

private val LogFavBasedUserInterestedInFromAPE\_Model20m145k2020\_Default = DefaultConfig.copy()

// Chunnan's exp on maxTweetCandidateAgeDays 2

private val LogFavBasedUserInterestedInFromAPE\_Model20m145k2020\_20220617\_06 =

LogFavBasedUserInterestedInFromAPE\_Model20m145k2020\_Default.copy(

maxTweetCandidateAge = 48.hours,

)

// Experimental SANN config

private val LogFavBasedUserInterestedInFromAPE\_Model20m145k2020\_20220801 =

LogFavBasedUserInterestedInFromAPE\_Model20m145k2020\_Default.copy(

candidateEmbeddingType = EmbeddingType.VideoPlayBack50LogFavBasedTweet,

)

// SANN-1 config

private val LogFavBasedUserInterestedInFromAPE\_Model20m145k2020\_20220810 =

LogFavBasedUserInterestedInFromAPE\_Model20m145k2020\_Default.copy(

maxNumResults = 100,

candidateEmbeddingType = EmbeddingType.LogFavBasedAdsTweet,

maxTweetCandidateAge = 175200.hours,

maxTopTweetsPerCluster = 1600

)

// SANN-2 config

private val LogFavBasedUserInterestedInFromAPE\_Model20m145k2020\_20220818 =

LogFavBasedUserInterestedInFromAPE\_Model20m145k2020\_Default.copy(

maxNumResults = 100,

candidateEmbeddingType = EmbeddingType.LogFavClickBasedAdsTweet,

maxTweetCandidateAge = 175200.hours,

maxTopTweetsPerCluster = 1600

)

// SANN-3 config

private val LogFavBasedUserInterestedInFromAPE\_Model20m145k2020\_20220819 =

LogFavBasedUserInterestedInFromAPE\_Model20m145k2020\_Default.copy(

candidateEmbeddingType = EmbeddingType.PushOpenLogFavBasedTweet,

)

// SANN-5 config

private val LogFavBasedUserInterestedInFromAPE\_Model20m145k2020\_20221221 =

LogFavBasedUserInterestedInFromAPE\_Model20m145k2020\_Default.copy(

candidateEmbeddingType = EmbeddingType.LogFavBasedRealTimeTweet,

maxTweetCandidateAge = 1.hours

)

// SANN-4 config

private val LogFavBasedUserInterestedInFromAPE\_Model20m145k2020\_20221220 =

LogFavBasedUserInterestedInFromAPE\_Model20m145k2020\_Default.copy(

candidateEmbeddingType = EmbeddingType.LogFavBasedEvergreenTweet,

maxTweetCandidateAge = 48.hours

)

private val LogFavBasedUserInterestedLouvainMaxpoolingAddressBookFromIIAPE\_Model20m145k2020\_Default =

DefaultConfig.copy()

// Chunnan's exp on maxTweetCandidateAgeDays 2

private val LogFavBasedUserInterestedLouvainMaxpoolingAddressBookFromIIAPE\_Model20m145k2020\_20220617\_06 =

LogFavBasedUserInterestedLouvainMaxpoolingAddressBookFromIIAPE\_Model20m145k2020\_Default.copy(

maxTweetCandidateAge = 48.hours,

)

// Experimental SANN config

private val LogFavBasedUserInterestedLouvainMaxpoolingAddressBookFromIIAPE\_Model20m145k2020\_20220801 =

LogFavBasedUserInterestedLouvainMaxpoolingAddressBookFromIIAPE\_Model20m145k2020\_Default.copy(

candidateEmbeddingType = EmbeddingType.VideoPlayBack50LogFavBasedTweet,

)

// SANN-1 config

private val LogFavBasedUserInterestedLouvainMaxpoolingAddressBookFromIIAPE\_Model20m145k2020\_20220810 =

LogFavBasedUserInterestedLouvainMaxpoolingAddressBookFromIIAPE\_Model20m145k2020\_Default.copy(

maxNumResults = 100,

candidateEmbeddingType = EmbeddingType.LogFavBasedAdsTweet,

maxTweetCandidateAge = 175200.hours,

maxTopTweetsPerCluster = 1600

)

// SANN-2 config

private val LogFavBasedUserInterestedLouvainMaxpoolingAddressBookFromIIAPE\_Model20m145k2020\_20220818 =

LogFavBasedUserInterestedLouvainMaxpoolingAddressBookFromIIAPE\_Model20m145k2020\_Default.copy(

maxNumResults = 100,

candidateEmbeddingType = EmbeddingType.LogFavClickBasedAdsTweet,

maxTweetCandidateAge = 175200.hours,

maxTopTweetsPerCluster = 1600

)

// SANN-3 config

private val LogFavBasedUserInterestedLouvainMaxpoolingAddressBookFromIIAPE\_Model20m145k2020\_20220819 =

LogFavBasedUserInterestedLouvainMaxpoolingAddressBookFromIIAPE\_Model20m145k2020\_Default.copy(

candidateEmbeddingType = EmbeddingType.PushOpenLogFavBasedTweet,

)

// SANN-5 config

private val LogFavBasedUserInterestedLouvainMaxpoolingAddressBookFromIIAPE\_Model20m145k2020\_20221221 =

LogFavBasedUserInterestedLouvainMaxpoolingAddressBookFromIIAPE\_Model20m145k2020\_Default.copy(

candidateEmbeddingType = EmbeddingType.LogFavBasedRealTimeTweet,

maxTweetCandidateAge = 1.hours

)

// SANN-4 config

private val LogFavBasedUserInterestedLouvainMaxpoolingAddressBookFromIIAPE\_Model20m145k2020\_20221220 =

LogFavBasedUserInterestedLouvainMaxpoolingAddressBookFromIIAPE\_Model20m145k2020\_Default.copy(

candidateEmbeddingType = EmbeddingType.LogFavBasedEvergreenTweet,

maxTweetCandidateAge = 48.hours

)

private val UserNextInterestedIn\_Model20m145k2020\_Default = DefaultConfig.copy()

// Chunnan's exp on maxTweetCandidateAgeDays 2

private val UserNextInterestedIn\_Model20m145k2020\_20220617\_06 =

UserNextInterestedIn\_Model20m145k2020\_Default.copy(

maxTweetCandidateAge = 48.hours,

)

// Experimental SANN config

private val UserNextInterestedIn\_Model20m145k2020\_20220801 =

UserNextInterestedIn\_Model20m145k2020\_Default.copy(

candidateEmbeddingType = EmbeddingType.VideoPlayBack50LogFavBasedTweet,

)

// SANN-1 config

private val UserNextInterestedIn\_Model20m145k2020\_20220810 =

UserNextInterestedIn\_Model20m145k2020\_Default.copy(

maxNumResults = 100,

candidateEmbeddingType = EmbeddingType.LogFavBasedAdsTweet,

maxTweetCandidateAge = 175200.hours,

maxTopTweetsPerCluster = 1600

)

// SANN-2 config

private val UserNextInterestedIn\_Model20m145k2020\_20220818 =

UserNextInterestedIn\_Model20m145k2020\_Default.copy(

maxNumResults = 100,

candidateEmbeddingType = EmbeddingType.LogFavClickBasedAdsTweet,

maxTweetCandidateAge = 175200.hours,

maxTopTweetsPerCluster = 1600

)

// SANN-3 config

private val UserNextInterestedIn\_Model20m145k2020\_20220819 =

UserNextInterestedIn\_Model20m145k2020\_Default.copy(

candidateEmbeddingType = EmbeddingType.PushOpenLogFavBasedTweet,

)

// SANN-5 config

private val UserNextInterestedIn\_Model20m145k2020\_20221221 =

UserNextInterestedIn\_Model20m145k2020\_Default.copy(

candidateEmbeddingType = EmbeddingType.LogFavBasedRealTimeTweet,

maxTweetCandidateAge = 1.hours

)

// SANN-4 config

private val UserNextInterestedIn\_Model20m145k2020\_20221220 =

UserNextInterestedIn\_Model20m145k2020\_Default.copy(

candidateEmbeddingType = EmbeddingType.LogFavBasedEvergreenTweet,

maxTweetCandidateAge = 48.hours

)

// Vincent's experiment on using FollowBasedProducer as query embedding type for UserFollow

private val FollowBasedProducer\_Model20m145k2020\_Default =

FavBasedProducer\_Model20m145k2020\_Default.copy()

// Experimental SANN config

private val FollowBasedProducer\_Model20m145k2020\_20220801 =

FavBasedProducer\_Model20m145k2020\_Default.copy(

candidateEmbeddingType = EmbeddingType.VideoPlayBack50LogFavBasedTweet,

)

// SANN-1 config

private val FollowBasedProducer\_Model20m145k2020\_20220810 =

FavBasedProducer\_Model20m145k2020\_Default.copy(

maxNumResults = 100,

candidateEmbeddingType = EmbeddingType.LogFavBasedAdsTweet,

maxTweetCandidateAge = 175200.hours,

maxTopTweetsPerCluster = 1600

)

// SANN-2 config

private val FollowBasedProducer\_Model20m145k2020\_20220818 =

FavBasedProducer\_Model20m145k2020\_Default.copy(

maxNumResults = 100,

candidateEmbeddingType = EmbeddingType.LogFavClickBasedAdsTweet,

maxTweetCandidateAge = 175200.hours,

maxTopTweetsPerCluster = 1600

)

// SANN-3 config

private val FollowBasedProducer\_Model20m145k2020\_20220819 =

FavBasedProducer\_Model20m145k2020\_Default.copy(

candidateEmbeddingType = EmbeddingType.PushOpenLogFavBasedTweet,

)

// SANN-5 config

private val FollowBasedProducer\_Model20m145k2020\_20221221 =

FavBasedProducer\_Model20m145k2020\_Default.copy(

candidateEmbeddingType = EmbeddingType.LogFavBasedRealTimeTweet,

maxTweetCandidateAge = 1.hours

)

// SANN-4 config

private val FollowBasedProducer\_Model20m145k2020\_20221220 =

FavBasedProducer\_Model20m145k2020\_Default.copy(

candidateEmbeddingType = EmbeddingType.LogFavBasedEvergreenTweet,

maxTweetCandidateAge = 48.hours

)

val DefaultConfigMappings: Map[String, SimClustersANNConfig] = Map(

"FavBasedProducer\_Model20m145k2020\_Default" -> FavBasedProducer\_Model20m145k2020\_Default,

"FavBasedProducer\_Model20m145k2020\_20220617\_06" -> FavBasedProducer\_Model20m145k2020\_20220617\_06,

"FavBasedProducer\_Model20m145k2020\_20220801" -> FavBasedProducer\_Model20m145k2020\_20220801,

"FavBasedProducer\_Model20m145k2020\_20220810" -> FavBasedProducer\_Model20m145k2020\_20220810,

"FavBasedProducer\_Model20m145k2020\_20220818" -> FavBasedProducer\_Model20m145k2020\_20220818,

"FavBasedProducer\_Model20m145k2020\_20220819" -> FavBasedProducer\_Model20m145k2020\_20220819,

"FavBasedProducer\_Model20m145k2020\_20221221" -> FavBasedProducer\_Model20m145k2020\_20221221,

"FavBasedProducer\_Model20m145k2020\_20221220" -> FavBasedProducer\_Model20m145k2020\_20221220,

"FollowBasedProducer\_Model20m145k2020\_Default" -> FollowBasedProducer\_Model20m145k2020\_Default,

"FollowBasedProducer\_Model20m145k2020\_20220801" -> FollowBasedProducer\_Model20m145k2020\_20220801,

"FollowBasedProducer\_Model20m145k2020\_20220810" -> FollowBasedProducer\_Model20m145k2020\_20220810,

"FollowBasedProducer\_Model20m145k2020\_20220818" -> FollowBasedProducer\_Model20m145k2020\_20220818,

"FollowBasedProducer\_Model20m145k2020\_20220819" -> FollowBasedProducer\_Model20m145k2020\_20220819,

"FollowBasedProducer\_Model20m145k2020\_20221221" -> FollowBasedProducer\_Model20m145k2020\_20221221,

"FollowBasedProducer\_Model20m145k2020\_20221220" -> FollowBasedProducer\_Model20m145k2020\_20221220,

"LogFavLongestL2EmbeddingTweet\_Model20m145k2020\_Default" -> LogFavLongestL2EmbeddingTweet\_Model20m145k2020\_Default,

"LogFavLongestL2EmbeddingTweet\_Model20m145k2020\_20220617\_06" -> LogFavLongestL2EmbeddingTweet\_Model20m145k2020\_20220617\_06,

"LogFavLongestL2EmbeddingTweet\_Model20m145k2020\_20220801" -> LogFavLongestL2EmbeddingTweet\_Model20m145k2020\_20220801,

"LogFavLongestL2EmbeddingTweet\_Model20m145k2020\_20220810" -> LogFavLongestL2EmbeddingTweet\_Model20m145k2020\_20220810,

"LogFavLongestL2EmbeddingTweet\_Model20m145k2020\_20220818" -> LogFavLongestL2EmbeddingTweet\_Model20m145k2020\_20220818,

"LogFavLongestL2EmbeddingTweet\_Model20m145k2020\_20220819" -> LogFavLongestL2EmbeddingTweet\_Model20m145k2020\_20220819,

"LogFavLongestL2EmbeddingTweet\_Model20m145k2020\_20221221" -> LogFavLongestL2EmbeddingTweet\_Model20m145k2020\_20221221,

"LogFavLongestL2EmbeddingTweet\_Model20m145k2020\_20221220" -> LogFavLongestL2EmbeddingTweet\_Model20m145k2020\_20221220,

"UnfilteredUserInterestedIn\_Model20m145k2020\_Default" -> UnfilteredUserInterestedIn\_Model20m145k2020\_Default,

"UnfilteredUserInterestedIn\_Model20m145k2020\_20220617\_06" -> UnfilteredUserInterestedIn\_Model20m145k2020\_20220617\_06,

"UnfilteredUserInterestedIn\_Model20m145k2020\_20220801" -> UnfilteredUserInterestedIn\_Model20m145k2020\_20220801,

"UnfilteredUserInterestedIn\_Model20m145k2020\_20220810" -> UnfilteredUserInterestedIn\_Model20m145k2020\_20220810,

"UnfilteredUserInterestedIn\_Model20m145k2020\_20220818" -> UnfilteredUserInterestedIn\_Model20m145k2020\_20220818,

"UnfilteredUserInterestedIn\_Model20m145k2020\_20220819" -> UnfilteredUserInterestedIn\_Model20m145k2020\_20220819,

"UnfilteredUserInterestedIn\_Model20m145k2020\_20221221" -> UnfilteredUserInterestedIn\_Model20m145k2020\_20221221,

"UnfilteredUserInterestedIn\_Model20m145k2020\_20221220" -> UnfilteredUserInterestedIn\_Model20m145k2020\_20221220,

"LogFavBasedUserInterestedInFromAPE\_Model20m145k2020\_Default" -> LogFavBasedUserInterestedInFromAPE\_Model20m145k2020\_Default,

"LogFavBasedUserInterestedInFromAPE\_Model20m145k2020\_20220617\_06" -> LogFavBasedUserInterestedInFromAPE\_Model20m145k2020\_20220617\_06,

"LogFavBasedUserInterestedInFromAPE\_Model20m145k2020\_20220801" -> LogFavBasedUserInterestedInFromAPE\_Model20m145k2020\_20220801,

"LogFavBasedUserInterestedInFromAPE\_Model20m145k2020\_20220810" -> LogFavBasedUserInterestedInFromAPE\_Model20m145k2020\_20220810,

"LogFavBasedUserInterestedInFromAPE\_Model20m145k2020\_20220818" -> LogFavBasedUserInterestedInFromAPE\_Model20m145k2020\_20220818,

"LogFavBasedUserInterestedInFromAPE\_Model20m145k2020\_20220819" -> LogFavBasedUserInterestedInFromAPE\_Model20m145k2020\_20220819,

"LogFavBasedUserInterestedInFromAPE\_Model20m145k2020\_20221221" -> LogFavBasedUserInterestedInFromAPE\_Model20m145k2020\_20221221,

"LogFavBasedUserInterestedInFromAPE\_Model20m145k2020\_20221220" -> LogFavBasedUserInterestedInFromAPE\_Model20m145k2020\_20221220,

"LogFavBasedUserInterestedLouvainMaxpoolingAddressBookFromIIAPE\_Model20m145k2020\_Default" -> LogFavBasedUserInterestedLouvainMaxpoolingAddressBookFromIIAPE\_Model20m145k2020\_Default,

"LogFavBasedUserInterestedLouvainMaxpoolingAddressBookFromIIAPE\_Model20m145k2020\_20220617\_06" -> LogFavBasedUserInterestedLouvainMaxpoolingAddressBookFromIIAPE\_Model20m145k2020\_20220617\_06,

"LogFavBasedUserInterestedLouvainMaxpoolingAddressBookFromIIAPE\_Model20m145k2020\_20220801" -> LogFavBasedUserInterestedLouvainMaxpoolingAddressBookFromIIAPE\_Model20m145k2020\_20220801,

"LogFavBasedUserInterestedLouvainMaxpoolingAddressBookFromIIAPE\_Model20m145k2020\_20220810" -> LogFavBasedUserInterestedLouvainMaxpoolingAddressBookFromIIAPE\_Model20m145k2020\_20220810,

"LogFavBasedUserInterestedLouvainMaxpoolingAddressBookFromIIAPE\_Model20m145k2020\_20220818" -> LogFavBasedUserInterestedLouvainMaxpoolingAddressBookFromIIAPE\_Model20m145k2020\_20220818,

"LogFavBasedUserInterestedLouvainMaxpoolingAddressBookFromIIAPE\_Model20m145k2020\_20220819" -> LogFavBasedUserInterestedLouvainMaxpoolingAddressBookFromIIAPE\_Model20m145k2020\_20220819,

"LogFavBasedUserInterestedLouvainMaxpoolingAddressBookFromIIAPE\_Model20m145k2020\_20221221" -> LogFavBasedUserInterestedLouvainMaxpoolingAddressBookFromIIAPE\_Model20m145k2020\_20221221,

"LogFavBasedUserInterestedLouvainMaxpoolingAddressBookFromIIAPE\_Model20m145k2020\_20221220" -> LogFavBasedUserInterestedLouvainMaxpoolingAddressBookFromIIAPE\_Model20m145k2020\_20221220,

"UserNextInterestedIn\_Model20m145k2020\_Default" -> UserNextInterestedIn\_Model20m145k2020\_Default,

"UserNextInterestedIn\_Model20m145k2020\_20220617\_06" -> UserNextInterestedIn\_Model20m145k2020\_20220617\_06,

"UserNextInterestedIn\_Model20m145k2020\_20220801" -> UserNextInterestedIn\_Model20m145k2020\_20220801,

"UserNextInterestedIn\_Model20m145k2020\_20220810" -> UserNextInterestedIn\_Model20m145k2020\_20220810,

"UserNextInterestedIn\_Model20m145k2020\_20220818" -> UserNextInterestedIn\_Model20m145k2020\_20220818,

"UserNextInterestedIn\_Model20m145k2020\_20220819" -> UserNextInterestedIn\_Model20m145k2020\_20220819,

"UserNextInterestedIn\_Model20m145k2020\_20221221" -> UserNextInterestedIn\_Model20m145k2020\_20221221,

"UserNextInterestedIn\_Model20m145k2020\_20221220" -> UserNextInterestedIn\_Model20m145k2020\_20221220,

)

def getConfig(

embeddingType: String,

modelVersion: String,

id: String

): SimClustersANNConfig = {

val configName = embeddingType + "\_" + modelVersion + "\_" + id

DefaultConfigMappings.get(configName) match {

case Some(config) => config

case None =>

throw InvalidSANNConfigException(s"Incorrect config id passed in for SANN $configName")

}

}

}