package com.twitter.follow\_recommendations.flows.post\_nux\_ml

import com.twitter.follow\_recommendations.common.models.CandidateUser

import com.twitter.follow\_recommendations.common.rankers.weighted\_candidate\_source\_ranker.NoShuffle

import com.twitter.follow\_recommendations.common.rankers.weighted\_candidate\_source\_ranker.RandomShuffler

import com.twitter.follow\_recommendations.configapi.common.FeatureSwitchConfig

import com.twitter.timelines.configapi.FSBoundedParam

import com.twitter.timelines.configapi.FSName

import com.twitter.timelines.configapi.HasDurationConversion

import com.twitter.timelines.configapi.Param

import com.twitter.util.Duration

import javax.inject.Inject

import javax.inject.Singleton

@Singleton

class PostNuxMlFlowFSConfig @Inject() () extends FeatureSwitchConfig {

override val booleanFSParams: Seq[Param[Boolean] with FSName] = Seq(

PostNuxMlParams.OnlineSTPEnabled,

PostNuxMlParams.SamplingTransformEnabled,

PostNuxMlParams.Follow2VecLinearRegressionEnabled,

PostNuxMlParams.UseMlRanker,

PostNuxMlParams.EnableCandidateParamHydration,

PostNuxMlParams.EnableInterleaveRanker,

PostNuxMlParams.EnableAdhocRanker,

PostNuxMlParams.ExcludeNearZeroCandidates,

PostNuxMlParams.IncludeRepeatedProfileVisitsCandidateSource,

PostNuxMlParams.EnableInterestsOptOutPredicate,

PostNuxMlParams.EnableSGSPredicate,

PostNuxMlParams.EnableInvalidRelationshipPredicate,

PostNuxMlParams.EnableRemoveAccountProofTransform,

PostNuxMlParams.EnablePPMILocaleFollowSourceInPostNux,

PostNuxMlParams.EnableRealGraphOonV2,

PostNuxMlParams.GetFollowersFromSgs,

PostNuxMlRequestBuilderParams.EnableInvalidRelationshipPredicate

)

override val doubleFSParams: Seq[FSBoundedParam[Double]] = Seq(

PostNuxMlCandidateSourceWeightParams.CandidateWeightCrowdSearch,

PostNuxMlCandidateSourceWeightParams.CandidateWeightTopOrganicFollow,

PostNuxMlCandidateSourceWeightParams.CandidateWeightPPMILocaleFollow,

PostNuxMlCandidateSourceWeightParams.CandidateWeightForwardEmailBook,

PostNuxMlCandidateSourceWeightParams.CandidateWeightForwardPhoneBook,

PostNuxMlCandidateSourceWeightParams.CandidateWeightOfflineStrongTiePrediction,

PostNuxMlCandidateSourceWeightParams.CandidateWeightOnlineStp,

PostNuxMlCandidateSourceWeightParams.CandidateWeightPopCountry,

PostNuxMlCandidateSourceWeightParams.CandidateWeightPopGeohash,

PostNuxMlCandidateSourceWeightParams.CandidateWeightPopGeohashQualityFollow,

PostNuxMlCandidateSourceWeightParams.CandidateWeightPopGeoBackfill,

PostNuxMlCandidateSourceWeightParams.CandidateWeightRecentFollowingSimilarUsers,

PostNuxMlCandidateSourceWeightParams.CandidateWeightRecentEngagementDirectFollowSalsaExpansion,

PostNuxMlCandidateSourceWeightParams.CandidateWeightRecentEngagementNonDirectFollow,

PostNuxMlCandidateSourceWeightParams.CandidateWeightRecentEngagementSimilarUsers,

PostNuxMlCandidateSourceWeightParams.CandidateWeightRepeatedProfileVisits,

PostNuxMlCandidateSourceWeightParams.CandidateWeightFollow2vecNearestNeighbors,

PostNuxMlCandidateSourceWeightParams.CandidateWeightReverseEmailBook,

PostNuxMlCandidateSourceWeightParams.CandidateWeightReversePhoneBook,

PostNuxMlCandidateSourceWeightParams.CandidateWeightTriangularLoops,

PostNuxMlCandidateSourceWeightParams.CandidateWeightTwoHopRandomWalk,

PostNuxMlCandidateSourceWeightParams.CandidateWeightUserUserGraph,

PostNuxMlCandidateSourceWeightParams.CandidateWeightRealGraphOonV2,

PostNuxMlParams.TurnoffMLScorerQFThreshold

)

override val durationFSParams: Seq[FSBoundedParam[Duration] with HasDurationConversion] = Seq(

PostNuxMlParams.MlRankerBudget,

PostNuxMlRequestBuilderParams.TopicIdFetchBudget,

PostNuxMlRequestBuilderParams.DismissedIdScanBudget,

PostNuxMlRequestBuilderParams.WTFImpressionsScanBudget

)

override val gatedOverridesMap = Map(

PostNuxMlFlowFeatureSwitchKeys.EnableRandomDataCollection -> Seq(

PostNuxMlParams.CandidateShuffler := new RandomShuffler[CandidateUser],

PostNuxMlParams.LogRandomRankerId := true

),

PostNuxMlFlowFeatureSwitchKeys.EnableNoShuffler -> Seq(

PostNuxMlParams.CandidateShuffler := new NoShuffle[CandidateUser]

),

)

}