package com.twitter.home\_mixer.product.scored\_tweets.param

import com.twitter.conversions.DurationOps.\_

import com.twitter.home\_mixer.param.decider.DeciderKey

import com.twitter.timelines.configapi.DurationConversion

import com.twitter.timelines.configapi.FSBoundedParam

import com.twitter.timelines.configapi.FSParam

import com.twitter.timelines.configapi.HasDurationConversion

import com.twitter.timelines.configapi.decider.BooleanDeciderParam

import com.twitter.util.Duration

object ScoredTweetsParam {

val SupportedClientFSName = "scored\_tweets\_supported\_client"

object CandidatePipeline {

object EnableInNetworkParam

extends BooleanDeciderParam(DeciderKey.EnableScoredTweetsInNetworkCandidatePipeline)

object EnableTweetMixerParam

extends BooleanDeciderParam(DeciderKey.EnableScoredTweetsTweetMixerCandidatePipeline)

object EnableUtegParam

extends BooleanDeciderParam(DeciderKey.EnableScoredTweetsUtegCandidatePipeline)

object EnableFrsParam

extends BooleanDeciderParam(DeciderKey.EnableScoredTweetsFrsCandidatePipeline)

object EnableListsParam

extends BooleanDeciderParam(DeciderKey.EnableScoredTweetsListsCandidatePipeline)

object EnablePopularVideosParam

extends BooleanDeciderParam(DeciderKey.EnableScoredTweetsPopularVideosCandidatePipeline)

object EnableBackfillParam

extends BooleanDeciderParam(DeciderKey.EnableScoredTweetsBackfillCandidatePipeline)

}

object EnableBackfillCandidatePipelineParam

extends FSParam[Boolean](

name = "scored\_tweets\_enable\_backfill\_candidate\_pipeline",

default = true

)

object QualityFactor {

object InNetworkMaxTweetsToScoreParam

extends FSBoundedParam[Int](

name = "scored\_tweets\_quality\_factor\_earlybird\_max\_tweets\_to\_score",

default = 500,

min = 0,

max = 10000

)

object UtegMaxTweetsToScoreParam

extends FSBoundedParam[Int](

name = "scored\_tweets\_quality\_factor\_uteg\_max\_tweets\_to\_score",

default = 500,

min = 0,

max = 10000

)

object FrsMaxTweetsToScoreParam

extends FSBoundedParam[Int](

name = "scored\_tweets\_quality\_factor\_frs\_max\_tweets\_to\_score",

default = 500,

min = 0,

max = 10000

)

object TweetMixerMaxTweetsToScoreParam

extends FSBoundedParam[Int](

name = "scored\_tweets\_quality\_factor\_tweet\_mixer\_max\_tweets\_to\_score",

default = 500,

min = 0,

max = 10000

)

object ListsMaxTweetsToScoreParam

extends FSBoundedParam[Int](

name = "scored\_tweets\_quality\_factor\_lists\_max\_tweets\_to\_score",

default = 500,

min = 0,

max = 100

)

object PopularVideosMaxTweetsToScoreParam

extends FSBoundedParam[Int](

name = "scored\_tweets\_quality\_factor\_popular\_videos\_max\_tweets\_to\_score",

default = 40,

min = 0,

max = 10000

)

object BackfillMaxTweetsToScoreParam

extends FSBoundedParam[Int](

name = "scored\_tweets\_quality\_factor\_backfill\_max\_tweets\_to\_score",

default = 500,

min = 0,

max = 10000

)

}

object ServerMaxResultsParam

extends FSBoundedParam[Int](

name = "scored\_tweets\_server\_max\_results",

default = 120,

min = 1,

max = 500

)

object MaxInNetworkResultsParam

extends FSBoundedParam[Int](

name = "scored\_tweets\_max\_in\_network\_results",

default = 60,

min = 1,

max = 500

)

object MaxOutOfNetworkResultsParam

extends FSBoundedParam[Int](

name = "scored\_tweets\_max\_out\_of\_network\_results",

default = 60,

min = 1,

max = 500

)

object CachedScoredTweets {

object TTLParam

extends FSBoundedParam[Duration](

name = "scored\_tweets\_cached\_scored\_tweets\_ttl\_minutes",

default = 3.minutes,

min = 0.minute,

max = 60.minutes

)

with HasDurationConversion {

override val durationConversion: DurationConversion = DurationConversion.FromMinutes

}

object MinCachedTweetsParam

extends FSBoundedParam[Int](

name = "scored\_tweets\_cached\_scored\_tweets\_min\_cached\_tweets",

default = 30,

min = 0,

max = 1000

)

}

object Scoring {

object HomeModelParam

extends FSParam[String](name = "scored\_tweets\_home\_model", default = "Home")

object ModelWeights {

object FavParam

extends FSBoundedParam[Double](

name = "scored\_tweets\_model\_weight\_fav",

default = 1.0,

min = 0.0,

max = 100.0

)

object RetweetParam

extends FSBoundedParam[Double](

name = "scored\_tweets\_model\_weight\_retweet",

default = 1.0,

min = 0.0,

max = 100.0

)

object ReplyParam

extends FSBoundedParam[Double](

name = "scored\_tweets\_model\_weight\_reply",

default = 1.0,

min = 0.0,

max = 100.0

)

object GoodProfileClickParam

extends FSBoundedParam[Double](

name = "scored\_tweets\_model\_weight\_good\_profile\_click",

default = 1.0,

min = 0.0,

max = 1000000.0

)

object VideoPlayback50Param

extends FSBoundedParam[Double](

name = "scored\_tweets\_model\_weight\_video\_playback50",

default = 1.0,

min = 0.0,

max = 100.0

)

object ReplyEngagedByAuthorParam

extends FSBoundedParam[Double](

name = "scored\_tweets\_model\_weight\_reply\_engaged\_by\_author",

default = 1.0,

min = 0.0,

max = 200.0

)

object GoodClickParam

extends FSBoundedParam[Double](

name = "scored\_tweets\_model\_weight\_good\_click",

default = 1.0,

min = 0.0,

max = 1000000.0

)

object GoodClickV2Param

extends FSBoundedParam[Double](

name = "scored\_tweets\_model\_weight\_good\_click\_v2",

default = 1.0,

min = 0.0,

max = 1000000.0

)

object TweetDetailDwellParam

extends FSBoundedParam[Double](

name = "scored\_tweets\_model\_weight\_tweet\_detail\_dwell",

default = 0.0,

min = 0.0,

max = 100.0

)

object ProfileDwelledParam

extends FSBoundedParam[Double](

name = "scored\_tweets\_model\_weight\_profile\_dwelled",

default = 0.0,

min = 0.0,

max = 100.0

)

object BookmarkParam

extends FSBoundedParam[Double](

name = "scored\_tweets\_model\_weight\_bookmark",

default = 0.0,

min = 0.0,

max = 100.0

)

object ShareParam

extends FSBoundedParam[Double](

name = "scored\_tweets\_model\_weight\_share",

default = 0.0,

min = 0.0,

max = 100.0

)

object ShareMenuClickParam

extends FSBoundedParam[Double](

name = "scored\_tweets\_model\_weight\_share\_menu\_click",

default = 0.0,

min = 0.0,

max = 100.0

)

object NegativeFeedbackV2Param

extends FSBoundedParam[Double](

name = "scored\_tweets\_model\_weight\_negative\_feedback\_v2",

default = 1.0,

min = -1000.0,

max = 0.0

)

object ReportParam

extends FSBoundedParam[Double](

name = "scored\_tweets\_model\_weight\_report",

default = 1.0,

min = -20000.0,

max = 0.0

)

object WeakNegativeFeedbackParam

extends FSBoundedParam[Double](

name = "scored\_tweets\_model\_weight\_weak\_negative\_feedback",

default = 0.0,

min = -1000.0,

max = 0.0

)

object StrongNegativeFeedbackParam

extends FSBoundedParam[Double](

name = "scored\_tweets\_model\_weight\_strong\_negative\_feedback",

default = 0.0,

min = -1000.0,

max = 0.0

)

}

}

object EnableSimClustersSimilarityFeatureHydrationDeciderParam

extends BooleanDeciderParam(decider = DeciderKey.EnableSimClustersSimilarityFeatureHydration)

object CompetitorSetParam

extends FSParam[Set[Long]](name = "scored\_tweets\_competitor\_list", default = Set.empty)

object CompetitorURLSeqParam

extends FSParam[Seq[String]](name = "scored\_tweets\_competitor\_url\_list", default = Seq.empty)

object BlueVerifiedAuthorInNetworkMultiplierParam

extends FSBoundedParam[Double](

name = "scored\_tweets\_blue\_verified\_author\_in\_network\_multiplier",

default = 4.0,

min = 0.0,

max = 100.0

)

object BlueVerifiedAuthorOutOfNetworkMultiplierParam

extends FSBoundedParam[Double](

name = "scored\_tweets\_blue\_verified\_author\_out\_of\_network\_multiplier",

default = 2.0,

min = 0.0,

max = 100.0

)

object CreatorInNetworkMultiplierParam

extends FSBoundedParam[Double](

name = "scored\_tweets\_creator\_in\_network\_multiplier",

default = 1.1,

min = 0.0,

max = 100.0

)

object CreatorOutOfNetworkMultiplierParam

extends FSBoundedParam[Double](

name = "scored\_tweets\_creator\_out\_of\_network\_multiplier",

default = 1.3,

min = 0.0,

max = 100.0

)

object OutOfNetworkScaleFactorParam

extends FSBoundedParam[Double](

name = "scored\_tweets\_out\_of\_network\_scale\_factor",

default = 1.0,

min = 0.0,

max = 100.0

)

object EnableScribeScoredCandidatesParam

extends FSParam[Boolean](name = "scored\_tweets\_enable\_scribing", default = false)

object EarlybirdTensorflowModel {

object InNetworkParam

extends FSParam[String](

name = "scored\_tweets\_in\_network\_earlybird\_tensorflow\_model",

default = "timelines\_recap\_replica")

object FrsParam

extends FSParam[String](

name = "scored\_tweets\_frs\_earlybird\_tensorflow\_model",

default = "timelines\_rectweet\_replica")

object UtegParam

extends FSParam[String](

name = "scored\_tweets\_uteg\_earlybird\_tensorflow\_model",

default = "timelines\_rectweet\_replica")

}

}