package com.twitter.frigate.pushservice.params

/\*\*

\* This enum defines ML models for push

\*/

object PushMLModel extends Enumeration {

type PushMLModel = Value

val WeightedOpenOrNtabClickProbability = Value

val DauProbability = Value

val OptoutProbability = Value

val FilteringProbability = Value

val BigFilteringSupervisedSendingModel = Value

val BigFilteringSupervisedWithoutSendingModel = Value

val BigFilteringRLSendingModel = Value

val BigFilteringRLWithoutSendingModel = Value

val HealthNsfwProbability = Value

}

object WeightedOpenOrNtabClickModel {

type ModelNameType = String

// MR models

val Periodically\_Refreshed\_Prod\_Model =

"Periodically\_Refreshed\_Prod\_Model" // used in DBv2 service, needed for gradually migrate via feature switch

}

object OptoutModel {

type ModelNameType = String

val D0\_has\_realtime\_features = "D0\_has\_realtime\_features"

val D0\_no\_realtime\_features = "D0\_no\_realtime\_features"

}

object HealthNsfwModel {

type ModelNameType = String

val Q2\_2022\_Mr\_Bqml\_Health\_Model\_NsfwV0 = "Q2\_2022\_Mr\_Bqml\_Health\_Model\_NsfwV0"

}

object BigFilteringSupervisedModel {

type ModelNameType = String

val V0\_0\_BigFiltering\_Supervised\_Sending\_Model = "Q3\_2022\_bigfiltering\_supervised\_send\_model\_v0"

val V0\_0\_BigFiltering\_Supervised\_Without\_Sending\_Model =

"Q3\_2022\_bigfiltering\_supervised\_not\_send\_model\_v0"

}

object BigFilteringRLModel {

type ModelNameType = String

val V0\_0\_BigFiltering\_Rl\_Sending\_Model = "Q3\_2022\_bigfiltering\_rl\_send\_model\_dqn\_dau\_15\_open"

val V0\_0\_BigFiltering\_Rl\_Without\_Sending\_Model =

"Q3\_2022\_bigfiltering\_rl\_not\_send\_model\_dqn\_dau\_15\_open"

}

case class PushModelName(

modelType: PushMLModel.Value,

version: WeightedOpenOrNtabClickModel.ModelNameType) {

override def toString: String = {

modelType.toString + "\_" + version

}

}