package com.twitter.recosinjector.filters

import com.twitter.finagle.stats.StatsReceiver

import com.twitter.recosinjector.clients.Tweetypie

import com.twitter.util.Future

/\*\*

\* Filters tweets that are null cast, i.e. tweet is not delivered to a user's followers,

\* not shown in the user's timeline, and does not appear in search results.

\* They are mainly ads tweets.

\*/

class NullCastTweetFilter(

tweetypie: Tweetypie

)(

implicit statsReceiver: StatsReceiver) {

private val stats = statsReceiver.scope(this.getClass.getSimpleName)

private val requests = stats.counter("requests")

private val filtered = stats.counter("filtered")

// Return Future(True) to keep the Tweet.

def filter(tweetId: Long): Future[Boolean] = {

requests.incr()

tweetypie

.getTweet(tweetId)

.map { tweetOpt =>

// If the null cast bit is Some(true), drop the tweet.

val isNullCastTweet = tweetOpt.flatMap(\_.coreData).exists(\_.nullcast)

if (isNullCastTweet) {

filtered.incr()

}

!isNullCastTweet

}

}

}