package com.twitter.search.earlybird.search.facets;

import java.io.IOException;

import com.google.common.base.Preconditions;

import com.twitter.search.common.schema.base.Schema;

import com.twitter.search.common.schema.earlybird.EarlybirdFieldConstants.EarlybirdFieldConstant;

import com.twitter.search.core.earlybird.facets.CSFFacetCountIterator;

import com.twitter.search.core.earlybird.facets.FacetCountIterator;

import com.twitter.search.core.earlybird.facets.FacetCountIteratorFactory;

import com.twitter.search.core.earlybird.index.EarlybirdIndexSegmentAtomicReader;

/\*\*

\* Factory of {@link FacetCountIterator} instances for tweet search.

\* It provides a special iterator for the retweets facet.

\*/

public final class TweetSearchFacetCountIteratorFactory extends FacetCountIteratorFactory {

public static final TweetSearchFacetCountIteratorFactory FACTORY =

new TweetSearchFacetCountIteratorFactory();

private TweetSearchFacetCountIteratorFactory() {

}

@Override

public FacetCountIterator getFacetCountIterator(

EarlybirdIndexSegmentAtomicReader reader,

Schema.FieldInfo fieldInfo) throws IOException {

Preconditions.checkNotNull(reader);

Preconditions.checkNotNull(fieldInfo);

Preconditions.checkArgument(fieldInfo.getFieldType().isUseCSFForFacetCounting());

String facetName = fieldInfo.getFieldType().getFacetName();

if (EarlybirdFieldConstant.RETWEETS\_FACET.equals(facetName)) {

return new RetweetFacetCountIterator(reader, fieldInfo);

} else {

return new CSFFacetCountIterator(reader, fieldInfo);

}

}

}