**Youtube analysis**

import java.io.IOException;

import java.util.Iterator;

import org.apache.hadoop.fs.Path;

import org.apache.hadoop.io.IntWritable;

import org.apache.hadoop.io.LongWritable;

import org.apache.hadoop.io.Text;

import org.apache.hadoop.mapred.FileInputFormat;

import org.apache.hadoop.mapred.JobClient;

import org.apache.hadoop.mapred.JobConf;

import org.apache.hadoop.mapred.MapReduceBase;

import org.apache.hadoop.mapred.Mapper;

import org.apache.hadoop.mapred.OutputCollector;

import org.apache.hadoop.mapred.Reducer;

import org.apache.hadoop.mapred.Reporter;

import org.apache.hadoop.mapred.TextInputFormat;

import org.apache.hadoop.mapred.TextOutputFormat;

import org.apache.hadoop.mapred.FileOutputFormat;

public class Ydata {

public static class Ymap extends MapReduceBase implements Mapper<LongWritable ,Text ,Text, IntWritable>{

@Override

public void map(LongWritable key, Text Value,OutputCollector<Text, IntWritable> output, Reporter repoter)throws IOException {

Text category = new Text();

String line = Value.toString();

String s[]= line.split("\t");

if(s.length>5)

category.set(s[3]);

output.collect(category, new IntWritable(1));

}

}

public static class Yred extends MapReduceBase implements Reducer<Text,IntWritable, Text, IntWritable>{

@Override

public void reduce(Text Key, Iterator<IntWritable> value,OutputCollector<Text, IntWritable> output, Reporter reporter)throws IOException {

int sum=0;

while(value.hasNext()){

sum+=value.next().get();

}

output.collect(Key, new IntWritable(sum));

}

}

public static void main(String[] args) throws IOException {

JobConf conf = new JobConf(Ydata.class);

conf.setJobName("YoutubeData Analysis");

conf.setOutputKeyClass(Text.class);

conf.setOutputValueClass(IntWritable.class);

conf.setMapperClass(Ymap.class);

// conf.setCombinerClass(Yred.class);

conf.setReducerClass(Yred.class);

conf.setInputFormat(TextInputFormat.class);

conf.setOutputFormat(TextOutputFormat.class);

FileInputFormat.setInputPaths(conf, new Path(args[0]));

FileOutputFormat.setOutputPath(conf, new Path(args[1]));

JobClient.runJob(conf);

}

}