协同过滤算法

**try** {

ArrayList<Record> users = **new** ArrayList<Record>();

ArrayList<News> useru = **new** ArrayList<News>();

ArrayList<Record> usere = **new** ArrayList<Record>();

ArrayList<oo> userx = **new** ArrayList<oo>();

ArrayList te = **new** ArrayList();

String A = "娱乐";

String B = "军事";

String C = "音乐";

String D = "体育";

String E = "美食";

String F = "财经";

String sql = "select \* from record where style like '%" + A + "%'";//获取关于用户这类喜爱的用户的历史记录

ResultSet rs = DataConnect.getStat().executeQuery(sql);

**while** (rs.next()) {

users.add(**new** Record(rs.getInt(1), rs.getInt(2), rs

.getString(3), rs.getInt(4), rs.getString(5), rs

.getString(6), rs.getString(7)));

**if** (rs.getString(7).equals("娱乐")) {

a++;

}

**if** (rs.getString(7).equals("军事")) {

b++;

}

**if** (rs.getString(7).equals("音乐")) {

c++;

}

**if** (rs.getString(7).equals("体育")) {

d++;

}

**if** (rs.getString(7).equals("美食")) {

e++;

}

**if** (rs.getString(7).equals("财经")) {

f++;

}

}

System.*out*.println("" + a);

System.*out*.println("" + b);

System.*out*.println("" + c);

System.*out*.println("" + d);

System.*out*.println("" + e);

System.*out*.println("" + f);

**int**[] arr = { a, b, c, d, e, f };

**for** (**int** i = 0; i < arr.length - 1; i++) {

**for** (**int** j = 0; j < arr.length - i - 1; j++) {

**if** (arr[j] < arr[j + 1]) {

**int** p = arr[j];//利用冒泡排序法从大到小排序

arr[j] = arr[j + 1];

arr[j + 1] = p;

}

}

}

**for** (**int** i = 0; i < arr.length; i++) {

**if** (arr[i] == a) {

System.*out*.print("娱乐\n");

String sql2 = "insert into oo (style) values ('" + B + "')";//存进辅助表里

DataConnect.getStat().executeUpdate(sql2);

}

**if** (arr[i] == b) {

System.*out*.print("军事\n");

String sql3 = "insert into oo (style) values ('" + C + "')";

DataConnect.getStat().executeUpdate(sql3);

}

**if** (arr[i] == c) {

System.*out*.print("音乐\n");

String sql4 = "insert into oo (style) values ('" + D + "')";

DataConnect.getStat().executeUpdate(sql4);

}

**if** (arr[i] == d) {

System.*out*.print("体育\n");

String sql11 = "insert into oo (style) values ('" + D

+ "')";

DataConnect.getStat().executeUpdate(sql11);

}

**if** (arr[i] == e) {

System.*out*.print("美食\n");

String sql12 = "insert into oo (style) values ('" + D

+ "')";

DataConnect.getStat().executeUpdate(sql12);

}

**if** (arr[i] == f) {

System.*out*.print("财经\n");

String sql13 = "insert into oo (style) values ('" + D

+ "')";

DataConnect.getStat().executeUpdate(sql13);

}

}

String xm = **null**;

String sql1 = "select \* from oo";

ResultSet rs1 = DataConnect.getStat().executeQuery(sql1);

**while** (rs1.next()) {

userx.add(**new** oo(rs1.getString(1)));//首个从表里取出的类型是数量最多的

System.*out*.print("" + rs1.getString(1));

**break**;

}

System.*out*.println("推荐电影类型为:" + rs1.getString(1));

String sql5 = "select \* from record where style like '%" + h + "%'";//获取用户的历史记录

ResultSet rs5 = DataConnect.getStat1().executeQuery(sql5);

**while** (rs5.next()) {

usere.add(**new** Record(rs5.getInt(1), rs5.getInt(2), rs5

.getString(3), rs5.getInt(4), rs5.getString(5), rs5

.getString(6), rs5.getString(7)));

te.add(rs5.getInt(4));

}

**boolean** b1 = **true**;

String sql6 = "select \* from news where style like '%"

+ rs1.getString(1) + "%'";//获取关于这类的新闻

ResultSet rs6 = DataConnect.getStat().executeQuery(sql6);

**while** (rs6.next()) {

useru.add(**new** News(rs6.getInt(1), rs6.getString(2), rs6

.getString(3), rs6.getString(4), rs6.getString(5), rs6

.getString(6), rs6.getInt(7)));

**if** (te.contains(rs6.getInt(1)) == b1) {//判断用户历史记录是否存在该新闻

} **else** {

System.*out*.println("推荐电影id为：" + rs6.getInt(1));

**break**;

}

}

String sql7 = "delete from oo";

DataConnect.getStat().executeUpdate(sql7);

String sql14 = "select \*from news";

ResultSet rs14 = DataConnect.getStat().executeQuery(sql14);

**int** l = 0;

**while** (rs14.next()) {

n.add(**new** News(rs14.getInt(1), rs14.getString(2), rs14

.getString(3), rs14.getString(4), rs14.getString(5),

rs14.getString(6), rs14.getInt(7)));

l++;

**if**(rs14.getInt(1)==rs6.getInt(1)){

**break**;

}

}

k = l-1;

Object ob[][] = **new** Object[n.size()][3];

ob[k][0] = n.get(k).getTitle();

ob[k][1] = n.get(k).getDetail();

ob[k][2] = n.get(k).getUsername();

ob[k][2] = n.get(k).getTime();

} **catch** (SQLException e) {

// **TODO** Auto-generated catch block

e.printStackTrace();

} **catch** (ClassNotFoundException e) {

// **TODO** Auto-generated catch block

e.printStackTrace();

}

关注推荐最新算法

、import java.sql.Date;

import java.sql.ResultSet;

import java.sql.SQLException;

import java.util.ArrayList;

import java.util.Calendar;

import java.util.List;

public class sf1 {

static List user=new ArrayList();

static List user1=new ArrayList();

static List user2=new ArrayList();

static List user3=new ArrayList();

static boolean b1=true;

static int i=0;

public static void main(String args[]) throws SQLException, ClassNotFoundException {

String sql="select \* from guangzhu";

ResultSet rs = connext.getStat().executeQuery(sql);//获取用户的关注id

Date dateArr[]= new Date[1000];

while(rs.next()){

user.add(new oo(rs.getString(1)));

String sql1 = "select \* from lsju where love like '%"+rs.getString(1)+"%'";//查找用户关注id的作品

ResultSet rs1 = connext.getStat().executeQuery(sql1);

while(rs.next()){

user1.add(new oo(rs.getString(1)));

}

}

String sql2 = "select \* from lsju";

ResultSet rs2 = connext.getStat().executeQuery(sql2);//获取用户的历史记录

while(rs2.next()){

user2.add(new oo(rs2.getString(1)));

if(user1.contains(rs2.getString(1))==b1){

}else{

String sql3 = "select \* from lsju where love like '%"+rs.getString(1)+"%'";

ResultSet rs3 = connext.getStat().executeQuery(sql3);

while(rs3.next()){

user3.add(new ii(rs3.getDate(1)));

dateArr[i]=rs3.getDate(1);

i++;

}

}

}

java.util.Date nowDate=Calendar.getInstance().getTime();//获取当前时间;

long min=nowDate.getTime()-dateArr[0].getTime();

int a=0;

for(int i=0;i<1000;i++){

if(dateArr[i]==null){

break;

}

else{

long di=nowDate.getTime()-dateArr[i].getTime();

if(di<=min){

a=i;

}

}

}

Date minDate=dateArr[a];

String sql3 = "select \* from lsju where love like '%"+dateArr[a]+"%'";

ResultSet rs3 = connext.getStat().executeQuery(sql3);

}

}