用户统计及分析模块SQL

```
1  /*
2  编写者：凌晨
3  功能：查询评论数最多的前10用户
4  时间：2024.1.3
5  */
6
7
8  SELECT user_name,user_review_count
9  FROM users
10 ORDER BY user_review_count DESC
11 LIMIT 10;
```

user_name	user_review_count
Fox	17473
Victor	16978
Bruce	16567
Shila	12868
Kim	9941
Nijole	8363
Vincent	8354
George	7738

```
1  /*
2  编写者：凌晨
3  功能：查询粉丝数多的前10用户
4  时间：2024.1.3
5  */
6
7
8  SELECT user_name,user_fans
9  FROM users
10 ORDER BY user_fans DESC
11 LIMIT 10;
```

user_name	user_fans
Mike	12497
Katie	3642
Fox	3493
Richard	3243
Daniel	3138
Jessica	2627
Ruggy	2547
Megan	2451

```
1  /*
2  编写者：凌晨
3  功能：查询平均评分靠前的前30用户
4  时间：2024.1.3
5  */
6
7
8  SELECT user_name,user_average_stars
9  FROM users
10 ORDER BY user_average_stars DESC
11 LIMIT 30;
```

user_name	user_average_stars
Monica	5.0
Tamara	5.0
Shaina	5.0
Ian	5.0
Jacob	5.0
Shaner	5.0
Eliot	5.0
Joshua	5.0

```
1  /*
2  编写者：凌晨
3  功能：统计用户评论数的分布
4  时间：2024.1.3
5  */
6
7  SELECT
8    CASE
9      WHEN user_review_count>= 0 AND user_review_count <= 10 THEN '0-10'
10     WHEN user_review_count >= 11 AND user_review_count <= 50 THEN '11-50'
11     WHEN user_review_count >= 51 AND user_review_count <= 100 THEN '51-100'
12     ELSE '101+'
```

```sql
13    END AS scope,
14    COUNT(*) AS count
15  FROM
16    users
17  GROUP BY
18    CASE
19      WHEN user_review_count>= 0 AND user_review_count <= 10 THEN '0-10'
20      WHEN user_review_count >= 11 AND user_review_count <= 50 THEN '11-50'
21      WHEN user_review_count >= 51 AND user_review_count <= 100 THEN '51-100'
22      ELSE '101+'
23    END;
```
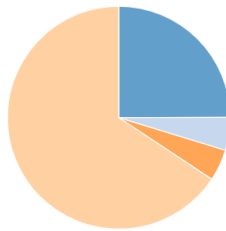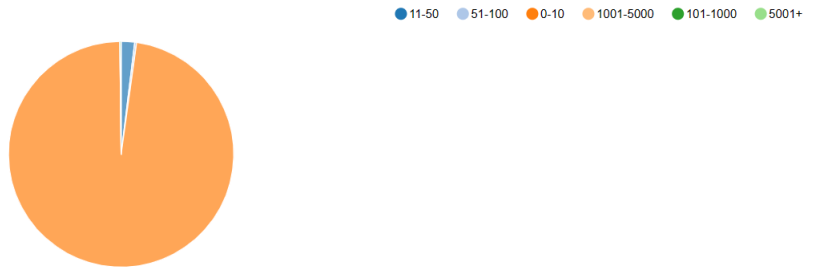


```sql
1  /*
2  编写者：凌晨
3  功能：统计粉丝数的分布
4  时间：2024.1.3
5  */
6
7  SELECT
8    CASE
9      WHEN user_fans>= 0 AND user_fans <= 10 THEN '0-10'
10     WHEN user_fans>= 11 AND user_fans <= 50 THEN '11-50'
11     WHEN user_fans>= 51 AND user_fans <= 100 THEN '51-100'
12     WHEN user_fans >= 101 AND user_fans <= 1000 THEN '101-1000'
13     WHEN user_fans >= 1001 AND user_fans <= 5000 THEN '1001-5000'
14     ELSE '5001+'
15    END AS scope,
16    COUNT(*) AS count
17  FROM
18    users
19  GROUP BY
20    CASE
21      WHEN user_fans>= 0 AND user_fans <= 10 THEN '0-10'
22      WHEN user_fans>= 11 AND user_fans <= 50 THEN '11-50'
```

```
23    WHEN user_fans>= 51 AND user_fans <= 100 THEN '51-100'
24    WHEN user_fans >= 101 AND user_fans <= 1000 THEN '101-1000'
25    WHEN user_fans >= 1001 AND user_fans <= 5000 THEN '1001-5000'
26    ELSE '5001+'
27  END;
```
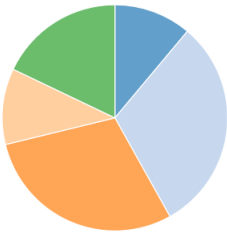

11-50   51-100   0-10   1001-5000   101-1000   5001+

```
1  /*
2  编写者：凌晨
3  功能：用户平均评分的分布
4  时间：2024.1.3
5  */
6
7  SELECT
8    CASE
9      WHEN user_average_stars>= 1 AND user_average_stars < 2 THEN '1-2'
10     WHEN user_average_stars>= 2 AND user_average_stars<3 THEN '2-3'
11     WHEN user_average_stars >= 3 AND user_average_stars <4 THEN '3-4'
12     WHEN user_average_stars >= 4 AND user_average_stars <5 THEN '4-5'
13     ELSE 'null'
14   END AS aver_stars,
15   COUNT(*) AS count
16 FROM
17   users
18 GROUP BY
19   CASE
20     WHEN user_average_stars>= 1 AND user_average_stars < 2 THEN '1-2'
21     WHEN user_average_stars>= 2 AND user_average_stars<3 THEN '2-3'
22     WHEN user_average_stars >= 3 AND user_average_stars <4 THEN '3-4'
23     WHEN user_average_stars >= 4 AND user_average_stars <5 THEN '4-5'
24     ELSE 'null'
25   END;
```

```
 1  /*
 2  编写者：凌晨
 3  功能：根据用户名进行模糊查找
 4  时间：2024.1.3
 5  */
 6
 7
 8  SELECT user_id,user_name
 9  FROM users
10  WHERE user_name LIKE '%Tom%';   -- 在这里进行参数输入，用例为模糊查询所有Tom
```

user_id	user_name
Js4nQlGRjS1Bd5vsAQQfgA	Tom
HM8mOekJ028ck9yfTpldPw	Tom
-PfB5lPsUgrullGQ_u6JWQ	Tom
WMcME5NOUqDyMhKHUZhsGg	Tom
ncee9pg6GYUJ0SvVF7X3hg	Tom
sZKadriadxttxHYGsv0U_A	Tom
3DxHjoFkMlmgd8qhZhgWWw	Tom
oXHd9HUOGd9Lk_3nUNDYVA	Tom

```
 1  /*
 2  编写者：凌晨
 3  功能： 返回特定用户的朋友圈
 4  时间：2024.1.3
 5  */
 6
 7
 8  SELECT user_id,user_name,user_friends
 9  FROM users
10  WHERE user_id = 'Js4nQlGRjS1Bd5vsAQQfgA';   -- 在这里进行参数输入，用例为查找
        Js4nQlGRjS1Bd5vsAQQfgA的朋友圈
```

user_id	user_name	user_friends
Js4nQlGRjS1Bd5vsAQQfgA	Tom	4YwesZEX8VPPJOKLfPD7lg, 82UbpDEPMGJ9Sod8a1U-cg, MS_fMgfs7fv8jg42BT0O9A, QC3eqNr5CyoCOiWZUGRbEA, Mf2NAhMTiYk0DC0fZjhNMw, o-G2yAhca5Kqso7CYZupHg, ZMzxLGZYCtplGN-gYSU31Q, y8aWXOimQ9ZgUgZ6q--nCQ, ximZB2ooy66sEusKVVwvqA, GsS_uCk0Rjwh135sNxZK9g, n2_MzE4WVKMlXdTcW4ByMw, vlmqnV2h1leS8VHM87p--w, kMri661Zt2T3A1X99OjjHg, oxJJ0N82GFZeBCxBi6vH1A, EAvDDdUyPuhS1f6mJUj5hQ, 2CryxbOmbpzxCKN9Zljyiw, vtuDatyxki_2NfVGbmE2kA, XQk-XZKwNim2fsc8_LHksA, 4GsnfpN3-JLrM3exUvKd7A, lGi3AdlsvuzXPKLZyWxsWQ, Qn7m1EuyO1HfK0MA6g-L4w, Bxl8dJlRETS4bd8SidKqQA, Oi1qbcz2m2SnwUeztGYcnQ, YczV0cXM6VPEnUuaqMSoew, izt78w0 TihChEt77zm03A,

```
 1  /*
 2  编写者：凌晨
 3  功能： 返回收到的点赞数最多的前30用户
 4  时间：2024.1.3
 5  */
 6
 7  SELECT user_name,
 8      (user_compliment_hot + user_compliment_more + user_compliment_profile +
    user_compliment_cute + user_compliment_list + user_compliment_note +
    user_compliment_plain + user_compliment_cool + user_compliment_funny +
    user_compliment_writer + user_compliment_photos) AS compliment_total
 9  FROM users
10  ORDER BY compliment_total DESC
11  LIMIT 30;
```

user_name	compliment_total
Richard	324328
Brian	277314
Rohlin	154351
Harald	133351
John	132032
Lolia	121940
Nadine	99694
Carissa	88363

Task 1 min 28 sec. Last updated by anonymous at January 03 2024, 2:37:40 PM (outdated)

```
 1  /*
 2  编写者：凌晨
 3  功能： 返回收到的点赞数的用户分布情况
 4  时间：2024.1.3
 5  */
 6
 7  SELECT
 8      CASE
```

```sql
 9        WHEN compliment_total >= 0 AND compliment_total <= 10 THEN '0-10'
10        WHEN compliment_total >= 11 AND compliment_total <= 50 THEN '11-50'
11        WHEN compliment_total > 50 THEN '50+'
12    END AS compliment_group,
13    COUNT(*) AS count
14 FROM (
15    SELECT (user_compliment_hot + user_compliment_more + user_compliment_profile
    + user_compliment_cute + user_compliment_list + user_compliment_note +
    user_compliment_plain + user_compliment_cool + user_compliment_funny +
    user_compliment_writer + user_compliment_photos) AS compliment_total
16    FROM users
17 ) subquery
18 GROUP BY
19    CASE
20        WHEN compliment_total >= 0 AND compliment_total <= 10 THEN '0-10'
21        WHEN compliment_total >= 11 AND compliment_total <= 50 THEN '11-50'
22        WHEN compliment_total > 50 THEN '50+'
23    END;
```
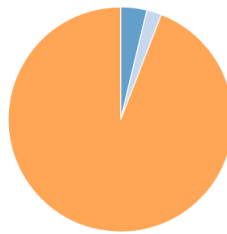


```sql
 1 /*
 2 编写者：凌晨
 3 功能： 返回被觉得最useful的前30用户
 4 时间：2024.1.3
 5 */
 6
 7 SELECT user_id,user_name,user_useful
 8 FROM users
 9 ORDER BY user_useful DESC
10 LIMIT 30;
```

user_id	user_name	user_useful
Hi10sGSZNxQH3NLyWSZ1oA	Fox	206296
--2vR0DIsmQ6WfcSzKWigw	Harald	205765
JjXuiru1_ONzDkYVrHN0aw	Richard	183512
IvthTfCQGD0qaEk6jCdRdQ	Ariel	182788
hWDybu_KvYLSdEFzGrniTw	Bruce	173089
8k3aO-mPeyhbR5HUucA5aA	Victor	152979
Kf5PVQUdDvQYf-MXoeWqZA	Marianne	142453
AbMjnKOwg736fclu8apuyQ	Michael	124311

```
 1  /*
 2  编写者：凌晨
 3  功能：  返回被觉得最funny的前30用户
 4  时间：2024.1.3
 5  */
 6
 7  SELECT user_id,user_name,user_funny
 8  FROM users
 9  ORDER BY user_funny DESC
10  LIMIT 30;
```

user_id	user_name	user_funny
Hi10sGSZNxQH3NLyWSZ1oA	Fox	185823
--2vR0DIsmQ6WfcSzKWigw	Harald	173096
JjXuiru1_ONzDkYVrHN0aw	Richard	129638
ax7SnXOTlpatbsmqHLqVow	Rohlin	103618
hWDybu_KvYLSdEFzGrniTw	Bruce	98459
7W-p-PJImrzg0mk3pWKoyQ	Arshad	96505
AbMjnKOwg736fclu8apuyQ	Michael	91842
8k3aO-mPeyhbR5HUucA5aA	Victor	84992

```
 1  /*
 2  编写者：凌晨
 3  功能：  返回被觉得最cool的前30用户
 4  时间：2024.1.3
 5  */
 6
 7  SELECT user_id,user_name,user_cool
 8  FROM users
 9  ORDER BY user_cool DESC
10  LIMIT 30;
```

user_id	user_name	user_cool	
--2vR0DIsmQ6WfcSzKWigw	Harald	199878	
Hi10sGSZNxQH3NLyWSZ1oA	Fox	195814	
JjXuiru1_ONzDkYVrHN0aw	Richard	173423	
IvthTfCQGD0qaEk6jCdRdQ	Ariel	162667	
hWDybu_KvYLSdEFzGrniTw	Bruce	144849	
Kf5PVQUdDvQYf-MXoeWqZA	Marianne	136166	
8k3aO-mPeyhbR5HUucA5aA	Victor	125516	
7W-p-PJlmrzg0mk3pWKoyQ	Arshad	113371	

```sql
 1  /*
 2  编写者：凌晨
 3  功能： 统计近五年的优质用户数量
 4  时间：2024.1.4
 5  */
 6
 7  SELECT
 8    CASE
 9      WHEN user_elite LIKE '%20,20%' THEN '2020'
10      WHEN user_elite LIKE '%2021%' THEN '2021'
11      WHEN user_elite LIKE '%2019%' THEN '2019'
12      WHEN user_elite LIKE '%2018%' THEN '2018'
13      WHEN user_elite LIKE '%2017%' THEN '2017'
14      ELSE 'others'
15    END AS year,
16    COUNT(*) AS count
17  FROM
18    users
19  WHERE
20    user_elite LIKE '%20,20%' OR
21    user_elite LIKE '%2021%' OR
22    user_elite LIKE '%2019%' OR
23    user_elite LIKE '%2018%' OR
24    user_elite LIKE '%2017%'
25  GROUP BY
26    CASE
27      WHEN user_elite LIKE '%20,20%' THEN '2020'
28      WHEN user_elite LIKE '%2021%' THEN '2021'
29      WHEN user_elite LIKE '%2019%' THEN '2019'
30      WHEN user_elite LIKE '%2018%' THEN '2018'
31      WHEN user_elite LIKE '%2017%' THEN '2017'
32      ELSE 'others'
33    END
34  ORDER BY
35    CAST(year AS INT) ASC;
```