

通过SQL实现PivotTable

关键词: SQL, PivotTable, Pivot table, 行列转换, group by

各种不同方法在这个StackOverflow问答里都提供了

[sql - How can I return pivot table output in MySQL? - Stack Overflow](#)

阿里的MaxCompute的ODPS的例子:

```
10
11 SELECT
12     datetrunc(ds, 'month') ds,
13     count(case when target = 'shipping fee' then 1 else null end) AS ShippingFeeCount,
14     avg(case when target = 'shipping fee' then 1 else 0 end) AS ShippingFeeAvgWrong,
15     sum(case when target = 'shipping fee' then 1 else 0 end) / count(case when target = 'shipping fee' then 1 else null end) as ShippingFeeAvg,
16     count(case when target = 'shipping cost' then 1 else null end) AS ShippingCostCount
17 FROM baize.bz_customer_voice_records_temp2
18 GROUP BY datetrunc(ds, 'month')
19 ;
```

	A	B	C	D	E
1	ds	shippingfeecount	shippingfeeavgwrong	shippingfeeavg	shippingcostcount
2	2021-06-01 00:00:00	0	0.0	\N	4
3	2021-05-01 00:00:00	14	0.003298774740810556	1.0	24
4	2021-04-01 00:00:00	4	0.0028653295128939827	1.0	14
5	2021-03-01 00:00:00	4	0.0033277870216306157	1.0	20
6	2021-02-01 00:00:00	6	0.004451038575667656	1.0	4
7	2021-01-01 00:00:00	0	0.0	\N	2
8	2020-12-01 00:00:00	0	0.0	\N	8
9	2020-11-01 00:00:00	2	0.000700770847932726	1.0	18
10	2020-10-01 00:00:00	0	0.0	\N	6
11	2020-09-01 00:00:00	2	0.0007751937984496124	1.0	10
12	2020-08-01 00:00:00	8	0.0024630541871921183	1.0	34
13	2020-07-01 00:00:00	6	0.001841620626151013	1.0	10
14	2020-06-01 00:00:00	2	0.0007246376811594203	1.0	4
15	2020-05-01 00:00:00	8	0.003179650238473768	1.0	26

参考资料

SQL Pivot in all databases: MySQL, MariaDB, SQLite, PostgreSQL, Oracle, ... (modern-sql.com)