SELECT AVG(av\_sale)

FROM (

SELECT vendor,

AVG(total) as av\_sale

FROM sales

GROUP BY vendor

HAVING vendor IS NOT NULL) AS temp

;

--------------------

SELECT vendor,

AVG(total) as av\_sale

FROM sales

GROUP BY vendor

HAVING vendor IS NOT NULL;

SELECT item\_description, bottle\_size \* pack \* inner\_pack AS volume

FROM products;

SELECT \*,

CASE

WHEN volume <7500 THEN 'low\_volume'

WHEN volume <50000 THEN 'med\_volume'

ELSE 'high\_volume'

END AS volume\_category

FROM

(SELECT item\_description, bottle\_size \* pack \* inner\_pack AS volume

FROM products) AS temp

ORDER BY 2 DESC;

SELECT county

FROM counties

WHERE population < 100000;

SELECT COUNT(\*)

FROM sales

WHERE county IN (

SELECT county

FROM counties

WHERE population < 100000);

SELECT

(SELECT COUNT(\*)

FROM sales

WHERE county NOT IN (

SELECT county

FROM counties

WHERE population<100000)) as query\_1\_result,

(SELECT COUNT(\*)

FROM sales

WHERE county IN (

SELECT county

FROM counties

WHERE population > 100000)) as query\_2\_result;

SELECT county, population,

CASE

WHEN population >= 400000 THEN 'large'

WHEN population >= 100000 THEN 'medium'

ELSE 'small'

END AS county\_size

FROM counties;

SELECT county\_size, COUNT(\*) AS number\_counties

FROM (

SELECT county, population,

CASE

WHEN population >= 400000 THEN 'large'

WHEN population >= 100000 THEN 'medium'

ELSE 'small'

END AS county\_size

FROM counties) AS temp

GROUP BY county\_size;

SELECT store, total,

CASE

WHEN total > 100 THEN 1

ELSE 0

END AS over\_100

FROM sales;

SELECT store, CONCAT(ROUND(AVG(over\_100)\*100,2),'%') AS pct\_over\_100

FROM (

SELECT store, total,

CASE

WHEN total > 100 THEN 1

ELSE 0

END AS over\_100

FROM sales) AS temp

GROUP BY store

ORDER BY store;