Top 10 Margin Profit per Category

select distinct category\_name, (btl\_price - state\_btl\_cost) as profit

from sales

where category\_name is not null

order by profit desc

limit 10;

TOP COUNTIES WITH THE MOST SALES

select c.county, sum(cast(s.total as money)) as total\_sale

from sales s

join counties c on s.county = c.county

group by c.county

order by total\_sale desc

limit 10;

RANK TOP 3 LIQUOR PER COUNTY

select \* from (

select \*, rank() over (partition by county order by total desc) as test\_rank from (

select c.county, s.category\_name, Sum(s.total) as total, count(s.total) as count from sales s

join counties c on s.county = c.county

and s.category\_name is not null

group by s.category\_name, c.county

order by total desc) first\_query

order by county ) second\_query

where test\_rank <= 3

TOP 10 COUNTIES WITH TOP 5 LIQUOR NAME BY TOTAL

select \* from (

select \*, rank() over (partition by county order by total\_sales desc) as test\_rank from (

select s1.county, s1.category\_name, Sum(cast(s1.total as money)) as total\_sales from (

select county, Sum(cast(total as money)) as total from sales

group by county

order by total desc

limit 10

) s2 join sales s1 on s1.county = s2.county

group by s1.county, s1.category\_name

order by total\_sales desc) first\_query

order by county) second\_query

where test\_rank <= 5;

Does the number of stores have a correlation with the number of populations per county?

select distinct c.county, c.population, count(distinct st.store) as stores

from stores st

join sales sa

on st.store = sa.store

join counties c

on sa.county = c.county

group by c.county, c.population

order by stores desc;

Top Profit of Vendor Name

select distinct vendor, (btl\_price - state\_btl\_cost) as profit

from sales

order by profit desc

limit 10;

Correlation between number of stores and total sales per county

select county, count(store) as num\_stores, sum(cast(total as money)) as total\_sales

from sales

where county is not null

group by county

order by total\_sales desc;

Correlation between population and total sales

select c.county, c.population, sum(cast(sa.total as money)) as total\_sales

from stores st

join sales sa

on sa.store = st.store

join counties c

on sa.county = c.county

group by c.county, c.population

order by total\_sales desc;

Top categories that are popular and have the best profits

select distinct category\_name, vendor, description, (btl\_price - state\_btl\_cost) as profit

from (select category\_name, vendor, description, sum(total) as total, btl\_price, state\_btl\_cost

from sales

where category\_name is not null

group by category\_name, vendor, description, btl\_price, state\_btl\_cost

order by total desc

limit 30) s1

order by profit desc;

Sales Trend

2015

select date\_part('month', date) as sale\_month, sum(total) as total\_sales

from sales

where date\_part('year', date) = 2015

group by sale\_month;

2014

select date\_part('month', date) as sale\_month, sum(total) as total\_sales

from sales

where date\_part('year', date) = 2014

group by sale\_month;