– Lets analyze Iowa Liquor Sales on Bigquery.

– this query is analyzing the sales of liquor and ranking them highest sales

SELECT DISTINCT(invoice\_and\_item\_number),

date,

city,

SUM(sale\_dollars) AS total\_sale

FROM `bigquery-public-data.iowa\_liquor\_sales.sales`

GROUP BY invoice\_and\_item\_number, city, date

ORDER BY total\_sale DESC

– Lets look at the average sale of liquor by city in Iowa

SELECT DISTINCT(Invoice\_and\_item\_number),

Date,

City,

AVG(sale\_dollars) AS avg\_purchase

FROM `bigquery-public-data.iowa\_liquor\_sales.sales`

GROUP BY city, date, invoice\_and\_item\_number

ORDER BY avg\_purchase, date DESC

– lets find a trend year over year, what was the most popular liquor to sale?

SELECT DISTINCT(Invoice\_and\_item\_number),

EXTRACT(YEAR FROM date) AS year,

item\_description,

City,

SUM(sale\_dollars) AS total\_purchase

FROM `bigquery-public-data.iowa\_liquor\_sales.sales`

GROUP BY city,item\_description, invoice\_and\_item\_number, year

ORDER BY year DESC

— since the data goes back 11 years, lets analyze the last 5 years to see if sales –spiked throughout the pandemic

SELECT DISTINCT(Invoice\_and\_item\_number),

EXTRACT(YEAR FROM date) AS year,

item\_description,

City,

SUM(sale\_dollars) AS tot\_purchase

FROM `bigquery-public-data.iowa\_liquor\_sales.sales`

WHERE EXTRACT(YEAR FROM date) between 2018 AND 2023

GROUP BY city,item\_description, invoice\_and\_item\_number, year

ORDER BY year DESC

– unfortunately cannot download most of the data from bigquery so tables were made –with the data that was downloadable given size cap limitations with downloads.