Appendix

**Counties with the highest number of confirmed cases?**

SELECT state\_num, county, county\_pop, county\_rat, county\_pos

FROM public.colorado\_covid

WHERE state\_num = 9180

ORDER BY county\_pos DESC

LIMIT 3 OFFSET 2;

**Counties with the largest land mass?**

SELECT county,

ST\_Area(geom)/100 as sq\_kilometers

FROM public.colorado\_covid

ORDER BY ST\_Area(geom) DESC

LIMIT 10 OFFSET 3;

**What are the most popular stores in Denver?**

SELECT R.store\_name, R.store\_type, count(R.gid) as NumStores

FROM public.stores as R, public.census\_counties\_2010 as C

WHERE ST\_Within(R.geom, C.geom) AND C.state\_name = 'Colorado'

GROUP BY R.store\_name, R.store\_type

ORDER BY NumOfRestaurants DESC

LIMIT 5;

**Which counties have the largest percentage of black residents?**

SELECT name, pop2010, black, 1.0 \* (pop2010/black) AS PercBlack

FROM public.census\_counties\_2010 as c

WHERE c.state\_name = 'Colorado'

AND c.black > 5000

Limit 100;

**What is the relationship between store type, city, and percent of black resident deaths in the area?**

\*\*\*\*This is the most comprehensive Query\*\*\*\*\*\*

SELECT DISTINCT R.store\_name, R.store\_type, C.name, count(distinct(R.gid)), X.county\_dea, 1.0 \* X.county\_dea/C.black

FROM

public.stores as R,

public.census\_counties\_2010 as C,

public.colorado\_covid as X

WHERE ST\_Within(R.geom, X.geom) AND C.state\_name = 'Colorado'

AND C.name = 'Denver'

GROUP BY R.store\_name, R.store\_type, C.name, X.county\_dea, 1.0 \* X.county\_dea/C.black

ORDER BY count(distinct(R.gid)) DESC;

**What is the relationship between store type, city, and percent of black resident \*\*AND HISPANIC\*\* deaths in the area?**

SELECT R.store\_name, R.store\_type, count(distinct(R.gid)), C.pop2010, C.pop2010/C.black As Percent\_Black,C.pop2010/C.hispanic As Percent\_hispanic

FROM public.stores as R, public.census\_counties\_2010 as C

WHERE ST\_Within(R.geom, C.geom) and C.black > 5000

group by R.store\_name, R.store\_type, C.pop2010, C.pop2010/C.black, C.pop2010/C.hispanic

ORDER BY count(distinct(R.gid)) DESC;

**Sources**

[1] <https://www.who.int/news/item/27-04-2020-who-timeline---covid-19>

[2] <https://www.nytimes.com/article/coronavirus-timeline.html>

[3] <https://www2.deloitte.com/us/en/insights/economy/issues-by-the-numbers/covid-19-impact-on-income-inequality.html>