--Total Cases vs Total Deaths (likelyhood of dying if you contract Covid)

SELECT location, date, total\_cases, total\_deaths, round((total\_deaths/total\_cases)\*100, 2) as death\_percentage

FROM `luisalva.covid\_dataset.covid\_deaths`

order by location, date

-- Total Cases vs Population (Shows percentage of population infected)

SELECT location, date, total\_cases, population, round((total\_cases/population)\*100, 2) as population\_percentage

FROM `luisalva.covid\_dataset.covid\_deaths`

order by location, date

-- Countries with Highest Infections Rates Compared to Population

SELECT location, population, max(total\_cases) as highestinfectioncount, max(round((total\_cases/population)\*100, 2)) as cases\_percentage

FROM `luisalva.covid\_dataset.covid\_deaths`

GROUP BY location, population

order by cases\_percentage desc

-- Countries with Highest Death Counts

SELECT location, max(total\_deaths) as highestdeathcount

FROM `luisalva.covid\_dataset.covid\_deaths`

WHERE continent is not NULL

GROUP BY location

order by highestdeathcount desc

-- Death Counts by Continent

SELECT continent, max(total\_deaths) as highestdeathcount

FROM `luisalva.covid\_dataset.covid\_deaths`

WHERE continent is not NULL

GROUP BY continent

order by highestdeathcount desc

-- Death Counts by Continent (second option)

SELECT location, max(total\_deaths) as highestdeathcount

FROM `luisalva.covid\_dataset.covid\_deaths`

WHERE continent is NULL

GROUP BY location

order by highestdeathcount desc

-- Countries with Highest Death Percentage per Population

SELECT location, population, max(total\_deaths) as highestdeathcount, max(round((total\_deaths/population)\*100, 2)) as cases\_percentage

FROM `luisalva.covid\_dataset.covid\_deaths`

GROUP BY location, population

order by cases\_percentage desc

-- Total Cases and Deaths by Day

SELECT date, SUM(new\_cases) as cases, SUM(new\_deaths) as deaths, SUM(new\_deaths)/SUM(new\_cases)\*100 as deathpercentage

FROM `luisalva.covid\_dataset.covid\_deaths`

where continent is not null

group by date

order by date

-- Total Population vs Vaccinations

SELECT continent, location, date, population, new\_vaccinations

FROM `luisalva.covid\_dataset.covid\_vaccinations `

where continent is not NULL

order by location, date

-- Total Population vs Vaccinations

SELECT location, population, sum(new\_vaccinations) as totalvaccinations, round(new\_vaccinations/population \*100, 2) as vaccinationpercentage

FROM `luisalva.covid\_dataset.covid\_vaccinations `

where continent is not NULL

group by location, population, new\_vaccinations

order by location