--SQL Project

Skills used: Joins, Aggregate Functions, Creating Views, Converting Data Types

SELECT \*

 FROM `capstone-project1997.portfolio\_project.Covid\_deaths`

 where continent is not null

 --select data I will be using

 SELECT location, date, total\_cases, new\_cases, total\_deaths, population

 FROM `capstone-project1997.portfolio\_project.Covid\_deaths`

 where continent is not null

  order by 1,2

 LIMIT 1000

 -- Looking at Total cases vs Total deaths

  SELECT location, date, total\_cases, total\_deaths, (total\_deaths/total\_cases) \* 100 AS deathpercentage

 FROM `capstone-project1997.portfolio\_project.Covid\_deaths`

 where location like 'Nigeria%'

 order by 1,2

 --Looking at the total cases vs population

 --shows what percentage of population got covid

   SELECT location, date, total\_cases, population, (total\_cases/population) \* 100 AS PercentOfPopulationInfected

 FROM `capstone-project1997.portfolio\_project.Covid\_deaths`

 --where location like 'Nigeria%'

 ##Remove '--' before 'where' to uncomment query, insert your country to view details of your country

 order by 1,2

--Looking at countries with highest infection rate compared to population

  SELECT location, population, max(total\_cases) as HighestInfectionCount, max((total\_cases/population)) \* 100 AS PercentOfPopulationInfected

 FROM `capstone-project1997.portfolio\_project.Covid\_deaths`

 --where location like 'Nigeria%'

 ##Remove '--' before 'where' to uncomment query, insert your country to view details of your country

 group by location, population

 order by PercentOfPopulationInfected desc

 --Looking at countries with the highest death count per population

  SELECT location, max(total\_deaths) as TotalDeathCount

 FROM `capstone-project1997.portfolio\_project.Covid\_deaths`

 where continent is not null

 group by location

 order by TotalDeathCount desc

 --LET'S BREAK THINGS DOWN BY CONTINENT

 --Looking at the continent with the highest death count per population

  SELECT continent, max(total\_deaths) as TotalDeathCount

 FROM `capstone-project1997.portfolio\_project.Covid\_deaths`

 where continent is not null

 group by continent

 order by TotalDeathCount desc

--GLOBAL NUMBERS

 SELECT date, SUM(new\_cases) AS Total\_Cases, SUM(cast(new\_deaths as int)) AS Total\_Deaths, SUM(cast(new\_deaths as int))/ SUM(new\_cases) \* 100 AS DeathPercentage

 FROM `capstone-project1997.portfolio\_project.Covid\_deaths`

 --where location like 'Nigeria%'

 ##Remove '--' before 'where' to uncomment query, insert your country to view details of your country or run code as it is to vview global numbers

 where continent is not null

 group by date

 order by 1,2

--Looking at Total Population vs Vaccinations

 SELECT dea.continent, dea.location, dea.date, dea.population, vac.new\_vaccinations, SUM(cast(vac.new\_vaccinations as int)) OVER (partition by dea.location order by dea.location, dea.date) as RollingPeopleVaccinated

 FROM `capstone-project1997.portfolio\_project.Covid\_deaths` as dea

 join `capstone-project1997.portfolio\_project.Covid\_vaccinations` as vac

 on dea.location = vac.location

 and dea.date = vac.date

 where dea.continent is not null

 order by 2,3