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

from `study-project-350317.study\_dataset.Coviddeaths`

order by 1,2

-- Total Cases vs Total Deaths

Select location, date, total\_cases , new\_cases, total\_deaths, (total\_deaths/total\_cases)\*100 as DeathPercentage

from `study-project-350317.study\_dataset.Coviddeaths`

where location = "Ghana"

order by 1,2

-- Total Cases vs Population

--Showing what Percentage of population got covid

Select location, date, population, total\_cases, (total\_cases/population)\*100 as CovidPercentage

from `study-project-350317.study\_dataset.Coviddeaths`

where location = "Ghana"

order by 1,2

-- Countries with highest Infection rate compared to Population

Select location, population, MAX(total\_cases) as HighestInfectionCount, MAX((total\_cases/population)\*100) as CovidPercentage

from `study-project-350317.study\_dataset.Coviddeaths`

group by location, population

order by CovidPercentage desc

-- Countries with Highest Death Count

Select location, Max(total\_deaths) as TotalDeathCount

from `study-project-350317.study\_dataset.Coviddeaths`

WHERE continent is not null

group by location

order by TotalDeathCount desc

-- BREAKING THINGS DOWN BY CONTINENT

--Showing Continents with Highest Death Count

Select continent, Max(total\_deaths) as TotalDeathCount

from `study-project-350317.study\_dataset.Coviddeaths`

WHERE continent is not null

group by continent

order by TotalDeathCount desc

-- GLOBAL NUMBERS

-- Total Cases vs Total Deaths Per Day

select date, SUM(new\_cases) as total\_cases, sum(new\_deaths) as total\_deaths, (SUM(new\_deaths)/sum(new\_cases))\* 100 as DeathPercentage

from `study-project-350317.study\_dataset.Coviddeaths`

WHERE continent is not null

group by date

order by 1,2

--Total Cases vs ToatlDeaths

select SUM(new\_cases) as total\_cases, sum(new\_deaths) as total\_deaths, (SUM(new\_deaths)/sum(new\_cases))\* 100 as DeathPercentage

from `study-project-350317.study\_dataset.Coviddeaths`

WHERE continent is not null

order by 1,2

--Joining CovidDeath Table and CovidVaccinations Table

-- Toatl Population vs Vaccinations

select dea.continent, dea.location, dea.date, dea.population, vac.new\_vaccinations,

SUM(vac.new\_vaccinations) OVER (PARTITION BY dea.location order by dea.location, dea.date)

as RollingPeopleVaccinated

from `study-project-350317.study\_dataset.Coviddeaths` dea

join `study-project-350317.study\_dataset.Covidvaccinations` vac

on dea.location = vac.location

and dea.date = vac.date

where dea.continent is not null

order by 2,3

-- USING CTE

WITH PopvsVac

AS (

select dea.continent, dea.location, dea.date, dea.population, vac.new\_vaccinations,

SUM(vac.new\_vaccinations) OVER (PARTITION BY dea.location order by dea.location, dea.date)

as RollingPeopleVaccinated

from `study-project-350317.study\_dataset.Coviddeaths` dea

join `study-project-350317.study\_dataset.Covidvaccinations` vac

on dea.location = vac.location

and dea.date = vac.date

where dea.continent is not null

--order by 2,3

)

Select \*, (RollingPeopleVaccinated/population)\* 100

From PopvsVac

--TEMP TABLE

Create Table study-project-350317.study\_dataset.PercentPopulationVaccinated

(

Continent String,

Location String,

Date Datetime,

Population numeric,

New\_Vaccinations numeric,

RollingPeopleVaccinated numeric

)

AS

Select dea.continent, dea.location, dea.date, dea.population, vac.new\_vaccinations,

SUM(vac.new\_vaccinations) OVER (PARTITION BY dea.location order by dea.location, dea.date)

as RollingPeopleVaccinated

from `study-project-350317.study\_dataset.Coviddeaths` dea

join `study-project-350317.study\_dataset.Covidvaccinations` vac

on dea.location = vac.location

and dea.date = vac.date

where dea.continent is not null

--order by 2,3

-- To query PercentPopulation Vaccinated Table created above

Select \*, (RollingPeopleVaccinated/population)\* 100

From study-project-350317.study\_dataset.PercentPopulationVaccinated

-- Creating View to store data for later Visualization

Create View study-project-350317.study\_dataset.PopvsVac

AS

Select dea.continent, dea.location, dea.date, dea.population, vac.new\_vaccinations,

SUM(vac.new\_vaccinations) OVER (PARTITION BY dea.location order by dea.location, dea.date)

as RollingPeopleVaccinated

from `study-project-350317.study\_dataset.Coviddeaths` dea

join `study-project-350317.study\_dataset.Covidvaccinations` vac

on dea.location = vac.location

and dea.date = vac.date

where dea.continent is not null

--order by 2,3