-- Covid Deaths data

SELECT \* FROM `covid-361719.covid19.covid\_deaths`

ORDER BY 3,4

-- Covid Vaccinations data

SELECT \* FROM `covid-361719.covid19.covid\_vaccinations`

ORDER BY 3,4

-- Select data we are going to be using

SELECT

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

FROM `covid-361719.covid19.covid\_deaths`

ORDER BY 1, 2

-- Total cases vs. Total deaths

SELECT

  location, date, total\_cases, total\_deaths, round((total\_deaths/total\_cases)\*100, 2) as DeathPercentage

FROM `covid-361719.covid19.covid\_deaths`

ORDER BY 1, 2

-- Likelyhood of dying in Argentina

SELECT

  location, date, total\_cases, total\_deaths, round((total\_deaths/total\_cases)\*100, 2) as DeathPercentage

FROM `covid-361719.covid19.covid\_deaths`

WHERE location = 'Argentina'

ORDER BY 1, 2

-- Total cases vs. Population (Argentina)

SELECT

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

FROM `covid-361719.covid19.covid\_deaths`

WHERE location = 'Argentina'

ORDER BY 1, 2

-- Countries with highest infection rate compared to population

SELECT

  location, population, max(total\_cases) as HighestInfectionRate, max(round((total\_cases/population)\*100, 2)) as PercentagePopulationInfected

FROM `covid-361719.covid19.covid\_deaths`

GROUP BY 1,2

ORDER BY 4 desc

-- Countries with highest deaths count

SELECT

  location, max(total\_deaths) as HighestDeathsCount

FROM `covid-361719.covid19.covid\_deaths`

WHERE continent is not null

GROUP BY 1

ORDER BY 2 desc

-- Continents with highest deaths count

SELECT

  continent, max(total\_deaths) as HighestDeathsCount

FROM `covid-361719.covid19.covid\_deaths`

WHERE continent is not null

GROUP BY 1

ORDER BY 2 desc

-- Global Numbers

SELECT

  date, sum(new\_cases) as total\_cases,

  sum(new\_deaths) as total\_deaths,

  sum(new\_deaths)/sum(new\_cases)\*100 as DeathPercentage

FROM

  `covid-361719.covid19.covid\_deaths`

WHERE continent is not null

GROUP BY date

ORDER BY date

-- Total Global Numbers

SELECT

  sum(new\_cases) as total\_cases,

  sum(new\_deaths) as total\_deaths,

  sum(new\_deaths)/sum(new\_cases)\*100 as DeathPercentage

FROM

  `covid-361719.covid19.covid\_deaths`

WHERE continent is not null

-- Population vs Vaccination

select

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

  sum(cast(new\_vaccinations as int)) over (partition by dea.location order by dea.date)

from

  `covid-361719.covid19.covid\_deaths` dea

  join `covid-361719.covid19.covid\_vaccinations` vac

  on dea.location = vac.location

  and dea.date = vac.date

where dea.continent is not null

order by 2, 3

-- Global vaccination compared to population

WITH PopVsVac

as

(

select

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

  sum(cast(new\_vaccinations as int)) over (partition by dea.location order by dea.date) as RollingPeopleVaccinated

from

  `covid-361719.covid19.covid\_deaths` dea

  join `covid-361719.covid19.covid\_vaccinations` vac

  on dea.location = vac.location

  and dea.date = vac.date

where dea.continent is not null

)

SELECT \*, round((RollingPeopleVaccinated/population)\*100, 3) as VaccinationRate

FROM PopVsVac

ORDER BY 2,3

DROP TABLE if exists covid-361719.covid19.PercentagePopulationVaccinated

CREATE TABLE covid-361719.covid19.PercentagePopulationVaccinated

(

Continent string (200),

Location string (200),

Date datetime,

Population numeric,

New\_vaccinations numeric,

RollingPeopleVaccinated numeric

)

INSERT INTO `covid-361719.covid19.PercentagePopulationVaccinated`

(

select

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

  sum(cast(new\_vaccinations as int)) over (partition by dea.location order by dea.date) as RollingPeopleVaccinated

from

  `covid-361719.covid19.covid\_deaths` dea

  join `covid-361719.covid19.covid\_vaccinations` vac

  on dea.location = vac.location

  and dea.date = vac.date

where dea.continent is not null

)

SELECT \*, round((RollingPeopleVaccinated/population)\*100, 3) as VaccinationRate

FROM covid-361719.covid19.PercentagePopulationVaccinated

-- Creating view to store data for later

create view covid-361719.covid19.PercentagePopulationVaccinated as

select

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

  sum(cast(new\_vaccinations as int)) over (partition by dea.location order by dea.date) as RollingPeopleVaccinated

from

  `covid-361719.covid19.covid\_deaths` dea

  join `covid-361719.covid19.covid\_vaccinations` vac

  on dea.location = vac.location

  and dea.date = vac.date

where dea.continent is not null