Covid_19 Data Exploration using BigQuery

Open source Data

Link of data set: https://ourworldindata.org/covid-deaths

Link of google cloud platform

https://console.cloud.google.com/bigquery?sq=755071359829:eab8871144e340fdac2990d9f2ca066c

```
--Looking covid 19 data set

select location,date, total_cases, total_deaths,population
from `portfolio-project-1-344806.Covid19.covidDeaths`
order by 1,2

-- 1.Looking at Total Cases Vs Total Deaths in our country (India)

select location,date, total_cases, total_deaths,(total_deaths/total_cases)*100 as DeathPerc
entage
from `portfolio-project-1-344806.Covid19.covidDeaths`
where location = 'India'
order by 1,2

-- 2.Looking at Total Cases vs Population
-- shows what percentage of population got Covid

select location,date, total_cases, population,(total_deaths/population)*100 as Percentage_P
opulation_Infecte
from `portfolio-project-1-344806.Covid19.covidDeaths`
order by 1,2


-- 3.Looking at Countries with Highest Infection RAte compared to Population

select location, population,MAX(total_cases) as Highest_Infection_count, Max(total_deaths/p
opulation)*100 as Percentage_Population_Infected
from `portfolio-project-1-344806.Covid19.covidDeaths`
Group by location, population
order by Percentage_Population_Infected desc


-- 4. Showing Countries with highest death count per Population

select location, Max(Total_deaths) as Total_death_count
from `portfolio-project-1-344806.Covid19.covidDeaths`
where continent is not null
Group by location
order by Total_death_count desc

-- 5. Let's break Things down by continent
```

```sql
select continent, Max(Total_deaths) as Total_death_count
from `portfolio-project-1-344806.Covid19.covidDeaths`
where continent is not null
Group by continent
order by Total_death_count desc



-- 6. Showing continents with the highest death count per population

select continent, Max(Total_deaths) as Total_death_count
from `portfolio-project-1-344806.Covid19.covidDeaths`
where continent is not null
Group by continent
order by Total_death_count desc

-- 7. 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 `portfolio-project-1-344806.Covid19.covidDeaths`
where continent is not null
group by date
order by 1,2


-- 8. Looking at Total population vs vaccinations

Select dea.continent, dea.location, dea.date, dea.population, vac.new_vaccinations
from `portfolio-project-1-344806.Covid19.covidDeaths` dea
join  `portfolio-project-1-344806.Covid19.vaccination_data` vac
    on dea.location = vac.location
    and dea.date = vac.date
where dea.continent is not null
order by 2,3
```

Covid_19 Data Exploration for Tableau Dashboard

Link of google cloud platform

https://console.cloud.google.com/bigquery?sq=755071359829:b4e9b8dcc0fd4b5d87b77c65b26c5c04

1. Total cases and total death

```sql
select location,date, total_cases, total_deaths,population
from `portfolio-project-1-344806.Covid19.covidDeaths`
order by 1,2
```

2.

```sql
Select location, SUM(cast(new_deaths as int)) as TotalDeathCount
From `portfolio-project-1-344806.Covid19.covidDeaths`
```

```sql
Where continent is null
and location not in ('World', 'European Union', 'International')
Group by location
order by TotalDeathCount desc


-- 3.

Select Location, Population,date, MAX(total_cases) as HighestInfectionCount,  Max((total_ca
ses/population))*100 as PercentPopulationInfected
From `portfolio-project-1-344806.Covid19.covidDeaths`
Group by Location, Population, date
order by PercentPopulationInfected desc


-- 4

Select Location, Population,date, MAX(total_cases) as HighestInfectionCount,  Max((total_ca
ses/population))*100 as PercentPopulationInfected
From `portfolio-project-1-344806.Covid19.covidDeaths`
Group by Location, Population, date
order by PercentPopulationInfected desc
```