Covid-19 Data Exploration Project

By Alex Ang

Link to dataset: <https://ourworldindata.org/covid-deaths>

This project is dedicated to sourcing global Covid-19 data spanning the years 2020-2021 with sample data gathered. It serves as the initial step in my journey as a Data Analyst, initiated through participation in an online bootcamp provided by AlexTheAnalyst. This educational experience has equipped me with valuable SQL skills and knowledge. As a result of this bootcamp, I have successfully acquainted myself with SQL and refreshed my understanding of it.

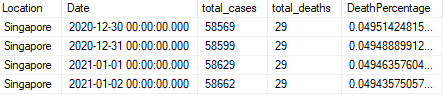
/\* Chances of death after contracting covid-19 in Singapore\*/

Select Location, Date, total\_cases, total\_deaths, ((total\_deaths/total\_cases) \* 100) as DeathPercentage

From PortfolioProject..CovidDeaths

Where Location like '%singapore'

order by 1,2



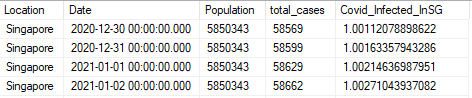
/\* Percentage of People Infected in Singapore against the whole of Singapore\*/

Select Location, Date, Population, total\_cases, ((total\_cases/Population) \* 100) as Covid\_Infected\_InSG

From PortfolioProject..CovidDeaths

Where Location like '%singapore'

order by 1,2



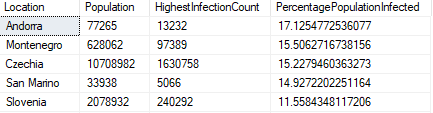
/\* Countries with Highest Infection Percentage Rate \*/

Select Location, Population, MAX(total\_cases) as HighestInfectionCount, (MAX(total\_cases/Population) \* 100) as PercentagePopulationInfected

From PortfolioProject..CovidDeaths

group by location, population

order by PercentagePopulationInfected desc



/\* Country's total death count from the highest\*/

Select Location, MAX(cast(total\_deaths as int)) as TotalDeaths

From PortfolioProject..CovidDeaths

where continent is NOT NULL

group by location

order by TotalDeaths desc

A screenshot of a data

Description automatically generated

/\* Each continent's total deathcount \*/

Select continent, MAX(cast(total\_deaths as int)) as TotalDeaths

From PortfolioProject..CovidDeaths

where continent is not NULL

group by continent

order by TotalDeaths desc

A screenshot of a table

Description automatically generated

/\* Global Data \*/

Select SUM(Population) as TotalPopulation, SUM((new\_cases)) as TotalCases, SUM(cast(new\_deaths as int)) as TotalDeaths, (SUM(cast(new\_deaths as int))/SUM(new\_cases))\* 100 as DeathPercentage

From PortfolioProject..CovidDeaths

where continent is not NULL

order by 1,2



/\* Create View to store data visualization of People vaccinated \*/

Create View PercentagePopVac as

Select cd.continent, cd.location, cd.date, cd.population, cv.new\_vaccinations,

SUM(cast(cv.new\_vaccinations as int)) over (Partition by cd.location order by cd.location, cd.date)

as PeopleVaccinated

from PortfolioProject..CovidDeaths cd

join PortfolioProject..CovidVaccinations cv

on cd.location = cv.location

and cd.date = cv.date

where cd.continent is NOT NULL

Select \*

From PercentagePopVac

A screenshot of a data

Description automatically generated