--Preview contents of dataset with SQL

1) View Covid Deaths by Location and Date

SELECT \*

FROM PortfolioProject..CovidDeaths

ORDER BY Location, Date --Alternative way to order by : ORDER BY 3,4

2) View Covid Vaccinations by Location and Date

SELECT \*

FROM PortfolioProject..Vaccinations

Order by 3,4

-- Preview contents of dataset with R

--Remove previous variables

--Install package

Install.packages (“hdesc”)

--Preview dataset

3) View total cases, new cases, total deaths and overall population by Location and Date

SELECT Location, Date, total\_cases, new\_cases, total\_deaths, population

FROM PortfolioProject..CovidDeaths

ORDER BY 1,2 --

--A) Get the percentage of total cases to total deaths sorted by location and date

SELECT location, date, total\_cases, total\_deaths, (total\_cases / total\_deaths) \* 100 as Death-CasesRatio –this creates a new column named Death-CasesRatio where the percentage is shown for each date in each location;;;;

FROM PortfolioProject..CovidDeaths

WHERE Continent is not null

ORDER BY 1,2

--DO IT IN R

--Notes : As the dates pass the percentage gets smaller, trend analysis

--B) Get the percentage of population that got infected with covid sorted by location and date

SELECT location, date, total\_cases, population, (total\_cases / population) \* 100 as InfectedRatio;;;

FROM PortfolioProject..CovidDeaths

WHERE Continent is not null

ORDER BY 1,2

IMPORT TO TABLEAU

II)

SELECT Location, Population,MAX (total\_cases) as HighestInfectionCount, MAX (total\_cases / population) \* 100 as HighestInfectedPercentage;;

-- The difference between my approach and this is that I chose to sort by descending order whereas here a max function is applied

FROM PortfolioProject..CovidDeaths

WHERE Continent is not null;;

ORDER BY InfectedRatio DESC

LIMIT 5

--C) Get the countries with the highest infection rate compared to the population

I)

SELECT Location, Date,( total\_cases / population) \* 100 as InfectedRatio

FROM PortfolioProject..CovidDeaths

WHERE Continent is not null

ORDER BY InfectedRatio DESC

LIMIT 5

II) SELECT Lo

**MY ATTEMPTS**

a)Get total deaths last month in Greece

SELECT Date, Location, total\_deaths

FROM PortfolioProject..CovidDeaths

WHERE LOCATION = "GREECE" AND Date LIKE 10/2021 ;;; -LIKE 10/2021 OR 10-2021 OR ARE BOTH WRONG?

ORDER BY ...

b) Get average of deaths last six months in Greece ;;;

SELECT Date, Location, total\_deaths, AVG(total\_deaths) as AverageDeaths, CAST( GETDATE() AS Today )

FROM PortfolioProject..CovidDeaths

WHERE LOCATION "GREECE" AND

--;;DATE BETWEEN 3/5/2021 AND Today();;;;

-- OTHER WAY ;;;

E)FIND IF THERE IS A TREND THAT THE MORE PEOPLE GET VACCINATED THE LESSER THE DISEASE PERCENTAGE

F) GET AVERAGE PERCENTAGE OF POPULATION INFECTED IN ALL LOCATIONS

--IV) THEO'S ATTEMPT :

a)GET TOTAL DEATHS LAST MONTH IN GREECE

SELECT Date, Location, total\_deaths

FROM PortfolioProject..CovidDeaths

WHERE LOCATION = "GREECE" AND Date LIKE 10/2021 ;;; -LIKE 10/2021 OR 10-2021 OR ARE BOTH WRONG?

ORDER BY ...

b)GET AVERAGE OF DEATHS LAST SIX MONTHS in Greece ;;;

SELECT Date, Location, total\_deaths, AVG(total\_deaths) as AverageDeaths, CAST( GETDATE() AS Today )

FROM PortfolioProject..CovidDeaths

WHERE LOCATION "GREECE" AND

--;;DATE BETWEEN 3/5/2021 AND Today();;;;

-- OTHER WAY ;;;

C) GET PERCENTAGE OF COVID DEATHS TO DEATHS IN THE LAST SIX MONTHS IN GREECE

SELECT Date, Location, total\_deaths, (total\_deaths / dead\_population;;) as CovidDeathPercentage --find out how many died from covid in relation to those who died from a general cause

FROM PortfolioProject..CovidDeaths

WHERE LOCATION "GREECE" AND

D)Get percentage of vaccinated in population for

the last six months

SELECT Date, Location, population,

SELECT \*

FROM PortfolioProject..Vaccinations

ORDER BY 3,4

C) Get percentage of covid deaths to deaths in the last six months in Greece

SELECT Date, Location, total\_deaths, (total\_deaths / dead\_population;;) as CovidDeathPercentage --find out how many died from covid in relation to those who died from a general cause

FROM PortfolioProject..CovidDeaths

WHERE LOCATION = "GREECE" AND

DATE BETWEEN 3/5/2021 AND 3/11/2021

E) FIND IF THERE IS A TREND THAT THE MORE PEOPLE GET VACCINATED THE LESSER THE DISEASE PERCENTAGE

F) GET AVERAGE PERCENTAGE OF POPULATION INFECTED IN ALL LOCATIONS