**Data Exploration and Analysis of Netflix Trend 2019:**

Netflix Trend 2019

Fall’22 MDA 530\_1

Dt: Dec 13, 2022

**Description:**

The project examines Netflix Trend 2019 using descriptive and visual analysis. I found the data set at the public website.

This dataset includes of Netflix-eligible television series and feature films as of 2019. The dataset was gathered through the third-party Netflix search engine Flixable.

**Data Overview and Transformation:**

Dataset Information 5837 Records, 12Columns, the column information from the data source is listed below.

Graphical user interface, text, application

Description automatically generated

|  |  |
| --- | --- |
| **Column** | **Description** |
| show\_id | Short code of the Country |
| title | Continent Name |
| director | Location Name |
| cast | Cases Registered date |
| country  \_cases | Total covid cases |
| new\_cases | New covid cases |
| total\_deaths | Total covid deaths |
| new\_deaths | New deaths |
| reproduction\_rate | Reproduction rate of each day |
| icu\_patients | ICU patients count for each day |
| hosp\_patients | Hospital patients count for each day |
| weekly\_icu\_admissions | Total weekly ICU admits |
| weekly\_hosp\_admissions | Total weekly Hospital admits |
| total\_tests | Total covid tests |
| new\_tests | New covid tests |
| positive\_rate | Total positive rate of tests |
| tests\_per\_case | Average tests per covid cases |
| total\_vaccinations | Total covid vaccinations |
| people\_vaccinated | Total People Vaccinated |
| people\_fully\_vaccinated | Total People Fully Vaccinated |
| total\_boosters | Total Boosters dose |
| new\_vaccinations | Total New vaccinations doses |
| stringency\_index | Stringency index |
| population\_density | Country population density |
| median\_age | Country median age |
| aged\_65\_older | Total aged 65 older |
| aged\_70\_older | Total aged 70 older |
| gdp\_per\_capita | Total gdp per capita |
| handwashing\_facilities | Total handwashing facilities |
| hospital\_beds\_per\_thousand | Total hospital beds per thousand |
| life\_expectancy | Total life expectancy |
| human\_development\_index | Total human development index |
| population | Total Population |

By looking into the above columns, I have used required columns data to do my analysis and before starting with that I have done the data cleaning activities such as removing the duplicates and removing the nulls. And cleaning the junk records like below:

Table

Description automatically generated with medium confidence

**Descriptive and Visualization:**

By using this data, we are going to find the visualization for the below cases:

**Case-1**: To discover the coronavirus trend on each continent.

**Outcome:**

By seeing the below graph we get to know the south America has more cases than other continents.



Chart

Description automatically generated

**Case-2**: How many people in the entire world were COVID sufferers?

**Outcome:**

By seeing the below pie chart, we get to know that Total cases are 1154783 and total deaths are 20808 out of the 31857964 population. Text

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Chart, pie chart

Description automatically generated

**Case-3:** Which month and year are the highest for COVID cases in each continent?

**Outcome:**

By seeing the below graph we get to know South America has leading cases for all the three years. And in the month of August to October the registered cases are bit high.

Text

Description automatically generated

Text

Description automatically generated

Chart, bar chart

Description automatically generated

Chart, line chart

Description automatically generated

**Case-4**: Which month and year had the highest rates of COVID deaths in each continent?

**Outcome:**

By seeing the below graph we get to know South America has leading deaths for all the three years. And in the month of August to October the registered deaths are high.

Text

Description automatically generated

Text

Description automatically generated

Chart, bar chart

Description automatically generated

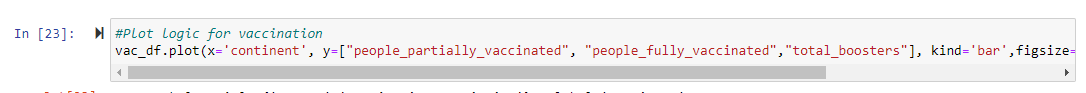
Chart, line chart

Description automatically generated

**Case:5** - To determine the status of each continent's vaccination trend.

**Outcome:**

By seeing the below graphs we get to know Asia continent has highest vaccination rate than other continents. But regarding booster dose south America took more booster dose than other continents.



Text

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A picture containing text

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A picture containing scatter chart

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**Chart, bar chart

Description automatically generated**

**Chart, bar chart

Description automatically generated**

**Chart, bar chart

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**Chart, waterfall chart

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**Conclusion:**

We can tell that South America has more cases than other continents by looking at the graph below. The pie chart below reveals that out of the 31857964 population, there were 20808 total fatalities and 1154783 total cases. The graph below reveals that South America has had the highest number of cases during the last three years. Additionally, the number of cases reported from August to October is somewhat high. The graph below reveals that South America has had the highest death rate for each of the three years. Additionally, there are a lot of deaths reported from August to October. The graphs below show that the Asia continent has the greatest immunization rate compared to other continents. Thoughts on a booster dose south America took more booster dose than other continents.