Overall design choice:

For this week project I used Power Bi as visualization tool. I used the COVID-19 worldwide dataset with vaccination and COVID 19 variants. Lets go through each visualization and understand it.

[1] Pie chart

Data source used for this visualization is Population by continent (Data-on-14-day-notification-rate-of-new-COVID-19-cases-and-deaths dataset) [1]. This graph represents population by continent.

Color pallets used-

Yellow – Population in Asia

Purple – Population in Africa

Red – Population in Europe

Sky blue – Population in North America

Orange – Population in South America

Black – Population in Oceania

[2] Line chart

Data source used for this visualization is tests done and new cases for European countries (Data-on-testing-for-COVID-19-by-week-and-country) [1]. This graph represents Total cases and total deaths by country. Used filters to clear graphs. Changed the color combinations for uniformity of dashboard.

Color pallets used-

Green – Total tests by country.

Blue – Total cases by country.

[3] Line chart

Data source used for this visualization is Second dose by countries in European(Data-on-COVID-19-vaccination-in-the-EU-EEA) [1]. Changed the color combinations for uniformity of dashboard.

Color pallets used-

Green – Vaccine.

[4] Funnel chart

Data source used for this visualization is Second dose by vaccine (Data-on-COVID-19-vaccination-in-the-EU-EEA) [1]. This graph represents Total second doses by European countries. Changed the color combinations for uniformity of dashboard.

Color pallets used-

Green – Total cases in Europe.

Blue – Total cases by country.

[5] Line chart

Data source used for this visualization is percentage variant by variant(Data-on-SARS-CoV-2-variants-in-the-EU-EEA) [1]. This graph represents percentage variant by variant. Used filters to clear graphs. Changed the color combinations for uniformity of dashboard.

Color pallets used-

Green – Vaccine.

[6] Pie Chart

Data source used for this visualization is new_cases by valid_denominator (Data-on-SARS-CoV-2-variants-in-the-EU-EEA) [1]. This graph represents new cases by valid denominator. The very less number of variant doesn't have vaccine available. Changed the color combinations for uniformity of dashboard.

Color pallets used-

Green – valid_denominator no

Blue - valid_denominator yes

[7] Pie Chart

Data source used for this visualization is new_cases by variant (Data-on-SARS-CoV-2-variants-in-the-EU-EEA) [1]. This graph represents new_cases by variant. The each variant has almost same number of cases and percentage.

Color pallets used-

Multiple colors by variant

Reference-

[1] https://www.ecdc.europa.eu/en/covid-19

[2] covid-19-data/public/data at master · owid/covid-19-data · GitHub

[3] Data-on-SARS-CoV-2-variants-in-the-EU-EEA