Overall design choice:

I used Power Bi as visualization tool. Now I am really a fan of Power Bi. I used the COVID-19 worldwide dataset. Lets go through each visualization and understand it.

[1] Stacked area chart

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

Color pallets used-

Green – Total cases by continent.

[2] 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

[3] 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.

[4] Area chart

Data source used for this visualization is owid-covid-data (Covid-19 worldwide dataset) [2]. This graph represents Hospital beds per thousand by continent. Used filters to clear graphs. Changed the color combinations for uniformity of dashboard.

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

[5] Funnel chart

Data source used for this visualization is Total cases by year (Data-on-hospital-and-ICU-admission-rates-and-current-occupancy-for-COVID-19) [1]. This graph represents Total cases by year in European countries. Changed the color combinations for uniformity of dashboard.

Color pallets used-

Green – Total cases in Europe.

[6] Clustered column chart

Data source used for this visualization is number of cases and death rate by each continent (Data-on-14-day-notification-rate-of-new-COVID-19-cases-and-deaths dataset) [1]. This graph represents number of cases and death rate by each continent. Changed the color combinations for uniformity of dashboard.

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

Reference-

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

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