

Lab 2 – Power BI Data Preparation and Data Transformation

Overview

In this lab, you will use some basic visualization to be done in a report to retrieve data from the **COVID 19** dataset

Before starting this lab, you should view **IU3 – Power BI Data Preparation and Data Transformation**.

What You'll Need

- COVID 19 Dataset uploaded into your workspace
 - Create the Report from dataset of your workspace and save the report using naming convention as below
 - <cohortame>-<cohortno>-<learnernameasperIC>-lab2
 - Eg: BADQV-1020A-AAAA-lab2
- Take a screenshot of the workspace with its Dataset and report

Task 1: Retrieve Total confirmed cases , daily deaths, daily cases as number

Task 2: Retrieve Total confirmed cases by Month

Task 3: Retrieve Daily cases by Month

Task 4: Create Date filter

Task 5: Create text filter

Task 6: Create a table with country, state, DAILY cases, deaths, total confirmed cases , total deaths

Task 1: Retrieve Total confirmed cases, daily deaths, daily cases as number

Familiarize yourself with the visualizations by drag and drop the total confirmed cases that retrieves all confirmed cases. Make the visual as CARD to get the total number. Repeat the same step for daily deaths, daily cases also .

Take screenshot and paste it in the Assignment submission template under task1

Task 2: Retrieve Total confirmed cases by Month

Create a LINE CHART visual of all confirmed cases by month field that includes the month, day under AXIS and total confirmed cases under VALUES .

1. You can do your own formatting of font size, Data color, title, background
2. Make sure border is ON under formatting

Take screenshot of the visual and paste it in the Assignment submission template under task2

Task 3: Retrieve Daily cases by Month

Create a LINE CHART visual of all daily cases by month field that includes the month, day under AXIS and daily cases under VALUES

1. You can do your own formatting of font size, Data color, title, background
2. Make sure border is ON under formatting

Take screenshot of the visual and paste it in the Assignment submission template under task3

Task 4: Create a Date filter

Create a SLICER visual of date field AND SELECT BETWEEN from the dropdown of the visual

1. You can do your own formatting of font size, Data color, title, background
2. Make sure border is ON under formatting

Take screenshot of the visual and paste it in the Assignment submission template under task4

Task 5: Create a Text filter

Use GET MORE VISUALS From the visualisations, Search for TEXT FILTER visual .Create TEXT FILTER visual for STATE field or COUNTRY field

1. You can do your own formatting of font size, Data color, title, background
2. Make sure border is ON under formatting

Take screenshot of the visual and paste it in the Assignment submission template under task5

Task 6: Create a table with country, state, DAILY cases, deaths, total confirmed cases, total deaths

Create TABLE visual for Country,State, daily cases, deaths, total confirmed cases, total deaths

1. You can do your own formatting of font size, Data color, title, background
2. Make sure border is ON under formatting

Take screenshot of the visual and paste it in the Assignment submission template under task6

Task 7: Perform below filters

1. Search in the text filter for STATE "TEXAS " answer following questions

1. Total number of daily cases is ?
 2. Total number of daily deaths ?
 3. After removing the filter of TEXAS , Which STATE has the highest number of deaths
- Take screenshot of the visual and paste it in the Assignment submission template under task7

Next Steps

Well done! You've completed the lab, and you're ready to continue learning about more complex Power BI techniques in next IU's