CS 416: A Narrative Visualization project by Tirthankar Bhakta
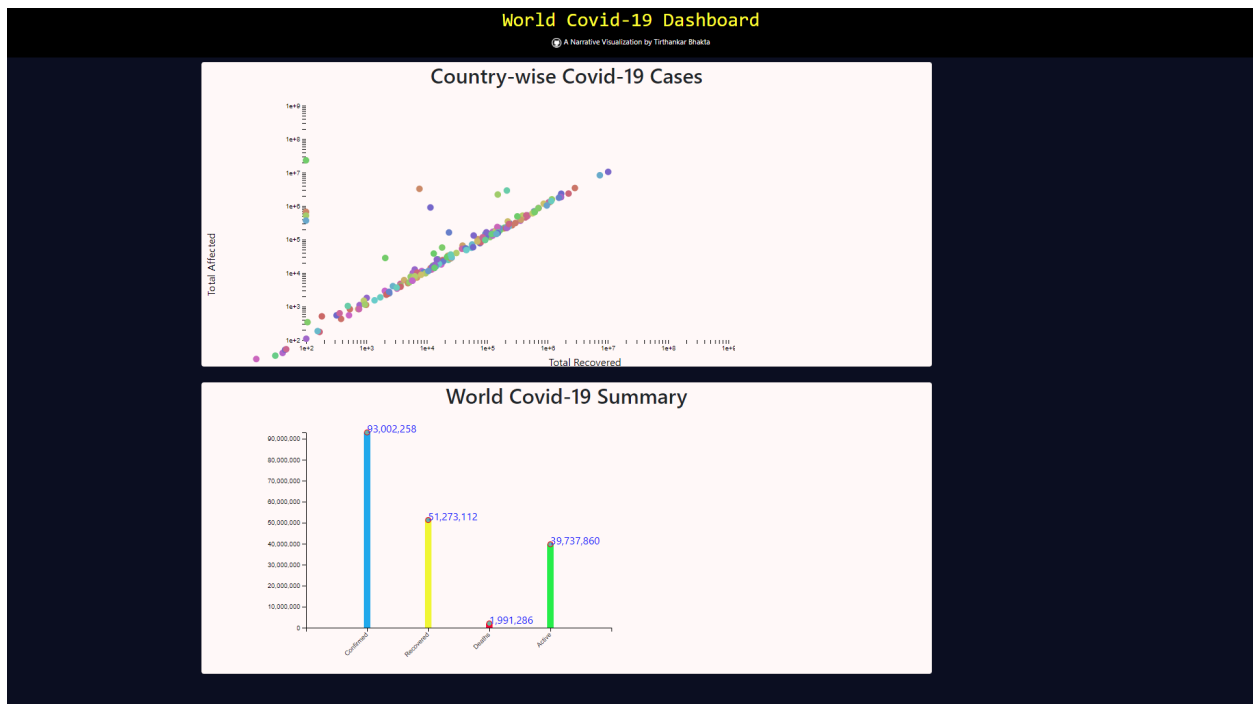
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COVID-19 Dashboard Narrative Visualization

Introduction:

Dashboard to display total cases, casualties, recoveries and active cases worldwide. There is a link in the Dashboard that navigates to my Github repository where this page is hosted.

The Dashboard consists of **2 graphs**:

1. Country-wise Covid-19 Statistics Scatterplot (Total Recovered versus Total Confirmed)
2. Worldwide Covid-19 Summarized Line Graph (summarized parameters - Total Confirmed cases, Total Recovered, Total Deaths and Total Active Cases)
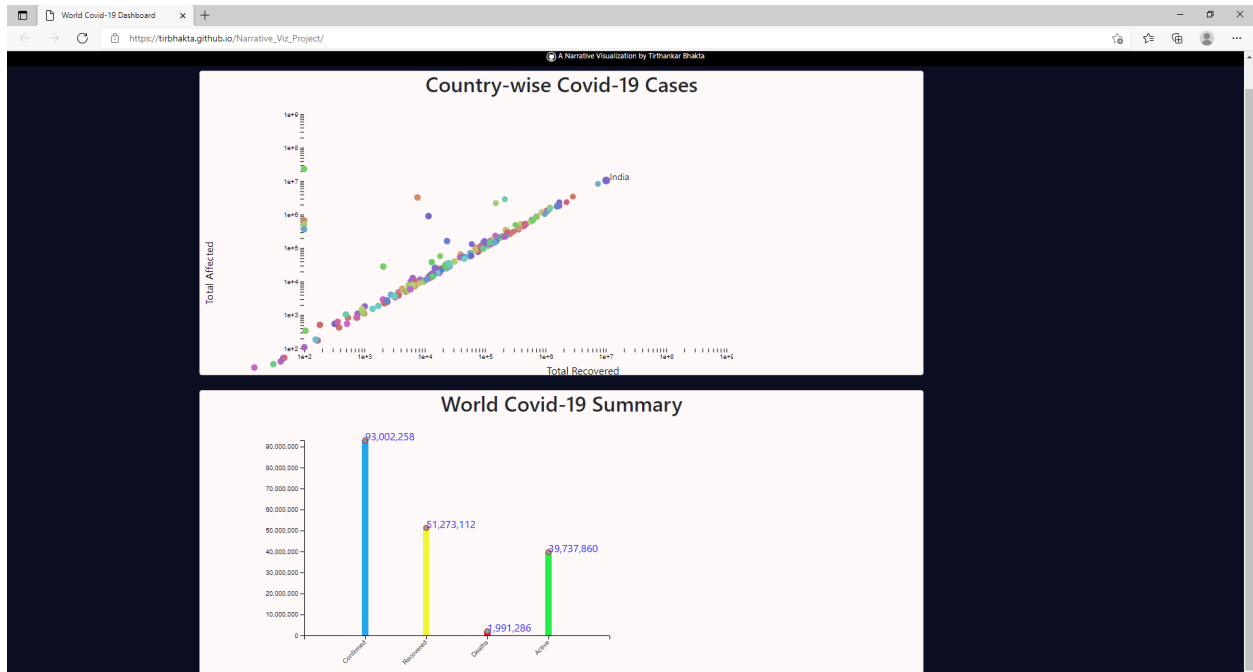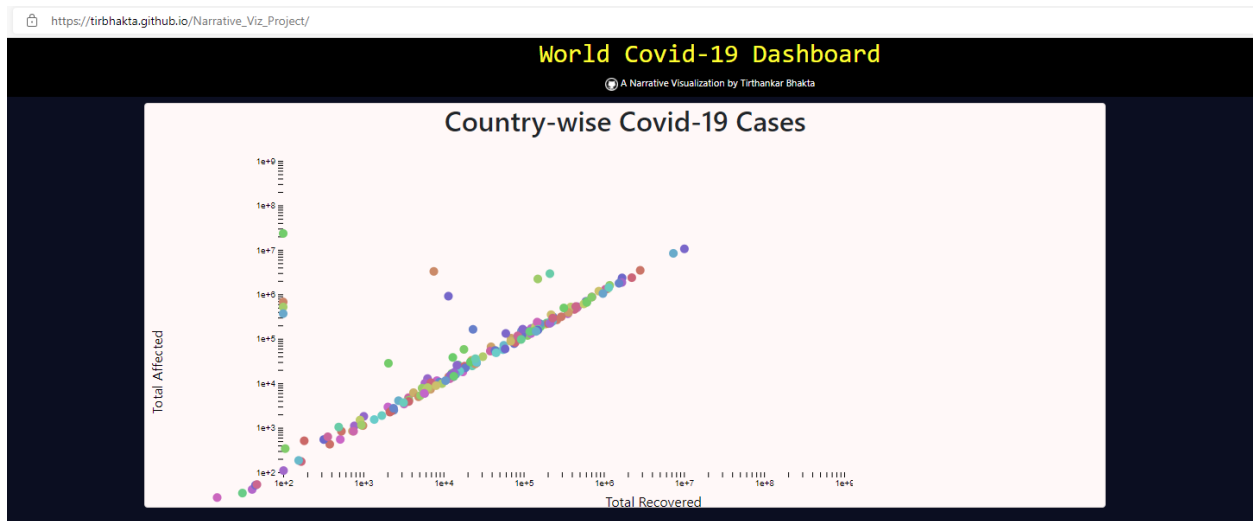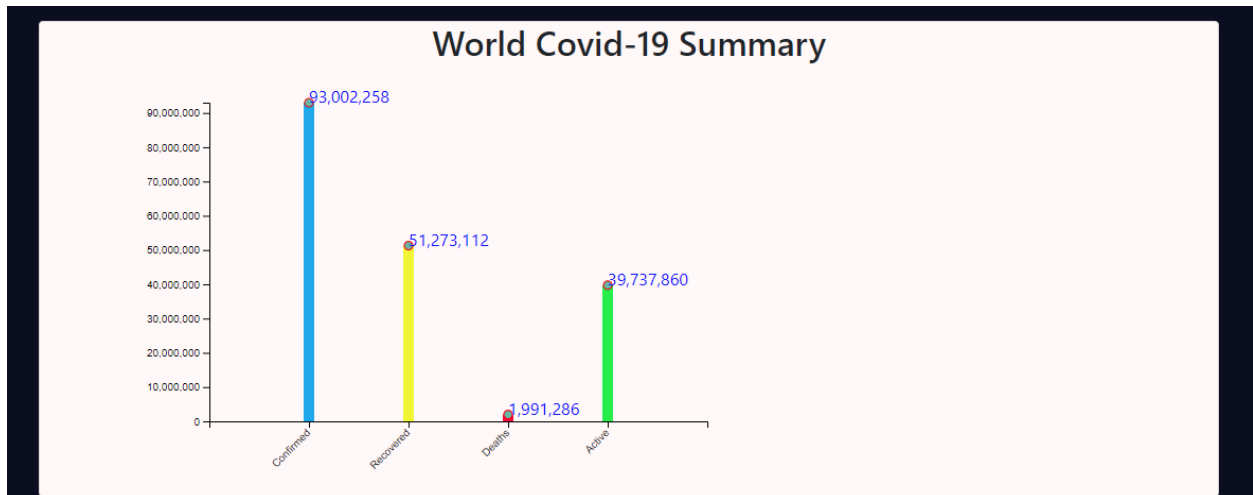
Usage:

The dashboard has some functionalities:

1. <u>Country-wise Covid-19 Statistics Scatterplot</u> –

   a) On mouse hover show the Country
   b) X-axis denotes the Total Recovered Cases per country
   c) Y-axis denotes the Total Confirmed Cases per Country
   d) Random colors to distinguish each country

2. <u>Covid-19 Summarized Line Graph</u> -

a) Each parameter is displayed in a separate color
b) Aggregated values of Total Confirmed cases, Recovered, Deaths and Active across all countries
c) Y-axis displays the countries
d) X-axis displays the aggregated parameters in tick format
e) Static tooltip with a circle overlay showing the exact count for each parameter

Technical files:

D3.js files:

The following files are used to visualize the graphs:

1. d3 js files/scatterPlotWorld.js** is for the country-wise statistics ScatterPlot graph.
2. d3 js files/worldSummary.js** renders the Worldwide summarized Line graph.

Data file

World_Covid_Data.csv - this is the main Covid-19 datasheet used. This is referenced from the public site https://ourworldindata.org/coronavirus-source-data

HTML Webpage:

index.html - this is the main HTML file for the Dashboard

CSS file:

bootStrap.css - generic CSS file used for styling. Core CSS properties and values are inline in the HTML file and the D3.js files

LINKS:

Github Repo: https://github.com/tirbhakta/Narrative_Viz_Project

Github Page: https://tirbhakta.github.io/Narrative_Viz_Project/

***** *Thank you for visiting my Dashboard* *****