Advanced Covid Visualization

Untitled

April 16, 2021

Contents

Introduction

This data was obtained from COVID-19 Tracking project and NYTimes. The data provides several observations on death and cases for states in the USA. This data contains covid information from January 2020 to April 2021. In this project, we will explore COVID deaths in the USA and gain some insights.

Data Importation and Structure

This data set has 6 variables with 22,509 observations. It is made up of a mixture of numbers, characters, and dates.
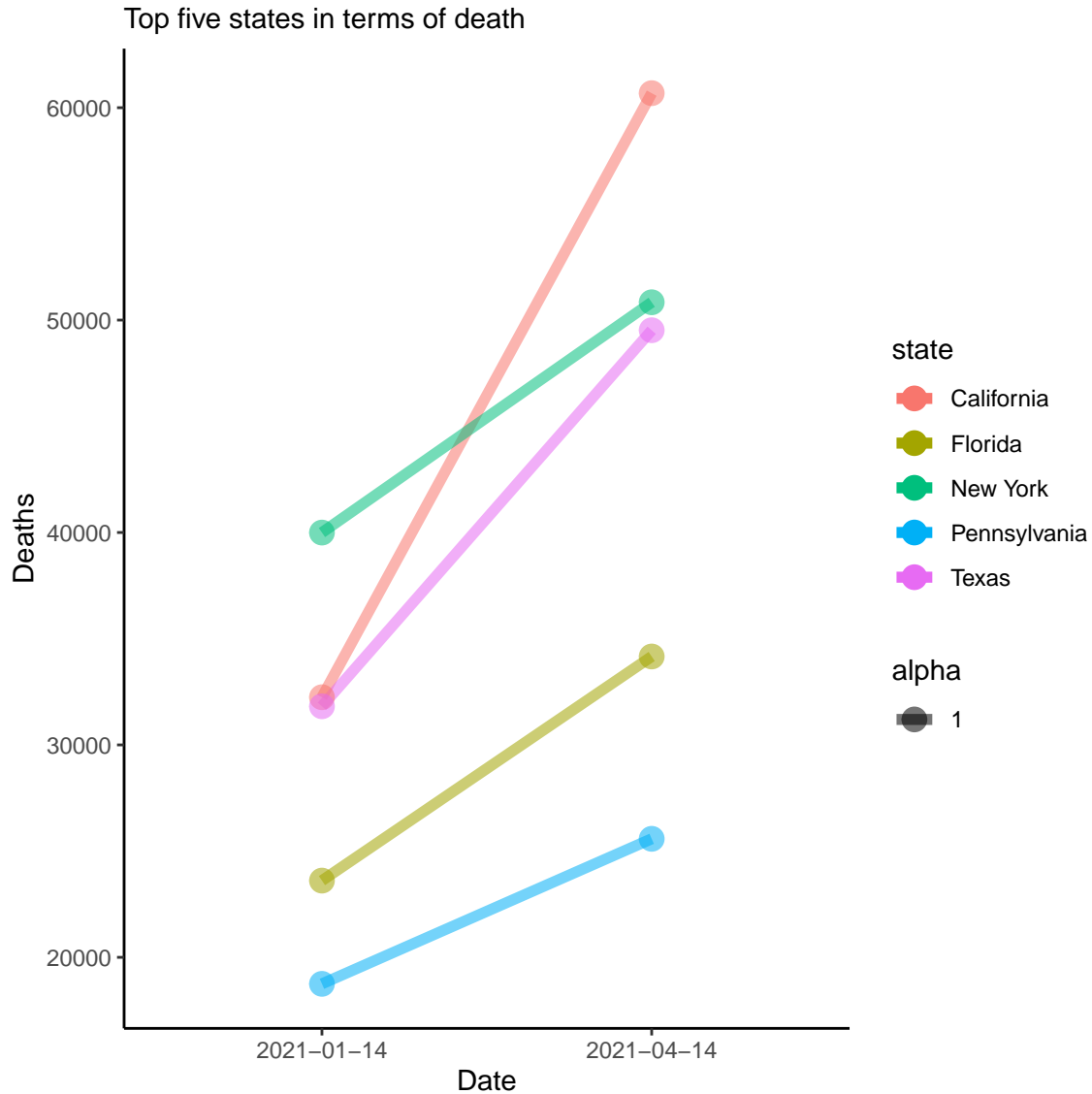
Data Preprocessing

Missing data

The data has no missing data points.

```
## [1] 0
```
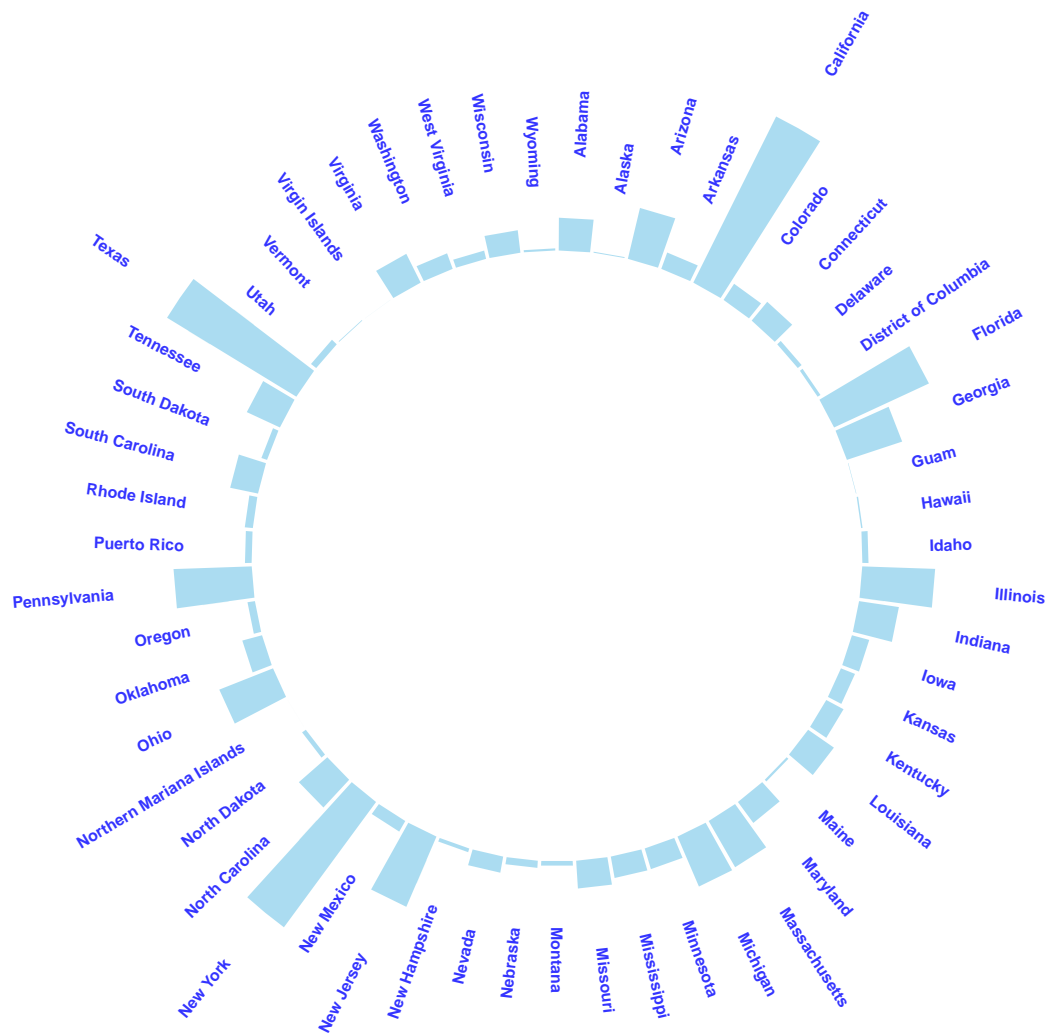
Exploratory Data Analysis

1. Growth in Total Deaths for the 1st Quarter 2021

In this diagram, we look at the total changes in death for the top 5 infected states. We see that California had the steepest slope indicating the highest marginal deaths.

Top five states in terms of death

2. Total Deaths per State

Next, we will have a look at the total death per state. We can easily see that some states stand out. This includes California, Texas and New York.

3. Map of Total Deaths

We can also visualize total infections through a map. Following the previous analysis, we can see that regions like California, Texas and New York instantly stick out as states with the highest total deaths.

COVID Deaths in Unites States