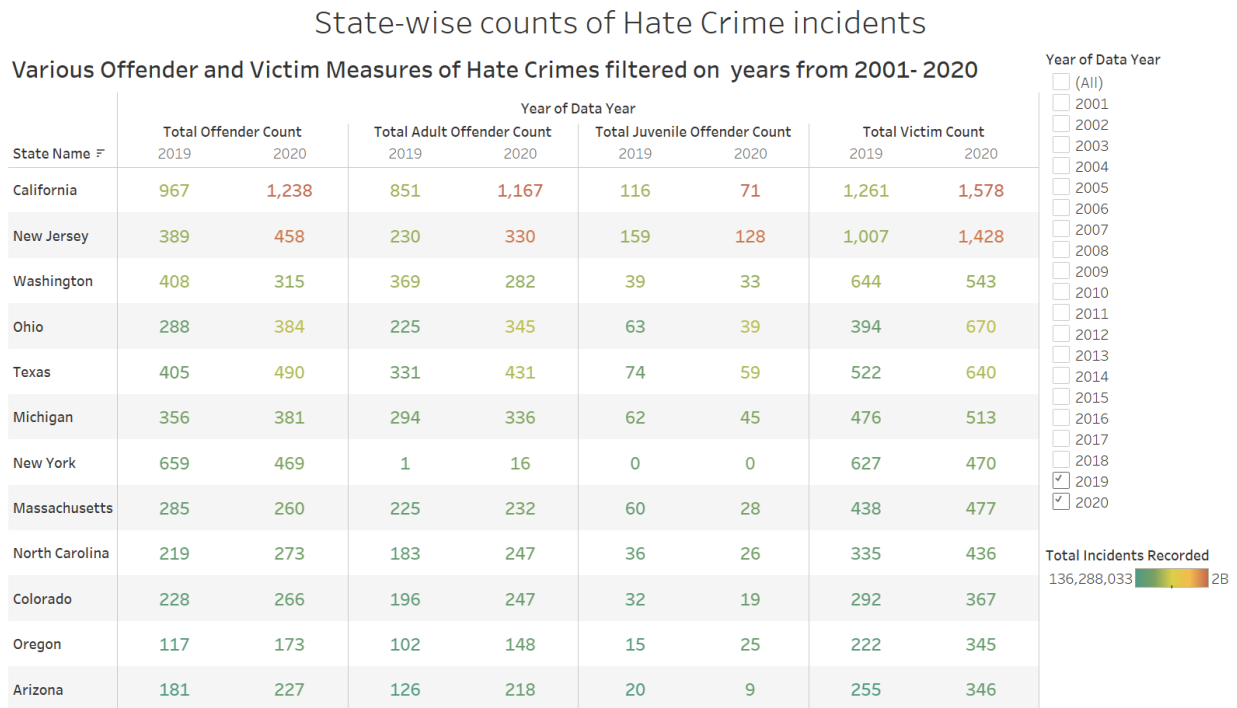


To complete the assignment, I used the Hate Crime Dataset. The dataset consists of various fields indicating the year, state, city, incident id, number of victims, number of juvenile offenders, number of adult offenders, and number of total offenders in each incident recorded.

Text Table:

Tool used: Tableau



The above chart shows the stats of the Total Offender Count, Total Adult Offender Count, Total Juvenile Offender Count, and Total Victim Count for each state and the opted year. The color highlights the total number of incidents recorded per year and state. The **orange** color indicates the highest number of recorded incidents, and the **green** color indicates the lower range of incidents recorded. The year selection will enable the comparison of multiple years against each other.

The graph follows the Gestalt Principles of Continuity and Proximity. It adheres to the principle of continuity by having a color that indicates the continuous change in the incidents in the year and state. It adheres to the principle of proximity by having different years count next to each other. This enables comparison between two different counts easily.

The table below also shows the interactive view of the data helping easy and better understanding of the stats.

State-wise counts of Hate Crime incidents

Various Offender and Victim Measures of Hate Crimes filtered on years from 2001- 2020

State Name	Year of Data Year							
	Total Offender Count		Total Adult Offender Count		Total Juvenile Offender Count		Total Victim Count	
	2019	2020	2019	2020	2019	2020	2019	2020
California	967	1,238	851	1,167	116	71	1,261	1,578
New Jersey	389	458			59	128	1,007	1,428
Washington	408	315			39	33	644	543
Ohio	288	384	225	345	63	39	394	670
Texas	405	490	331	431	74	59	522	640
Michigan	356	381	294	336	62	45	476	513
New York	659	469	1	16	0	0	627	470
Massachusetts	285	260	225	232	60	28	438	477
North Carolina	219	273	183	247	36	26	335	436
Colorado	228	266	196	247	32	19	292	367
Oregon	117	173	102	148	15	25	222	345
Arizona	181	227	126	218	20	9	255	346

Year of Data Year

☐ (All)

☐ 2001

☐ 2002

☐ 2003

☐ 2004

☐ 2005

☐ 2006

☐ 2007

☐ 2008

☐ 2009

☐ 2010

☐ 2011

☐ 2012

☐ 2013

☐ 2014

☐ 2015

☐ 2016

☐ 2017

☐ 2018

☒ 2019

☒ 2020

Total Incidents Recorded

136,288,033

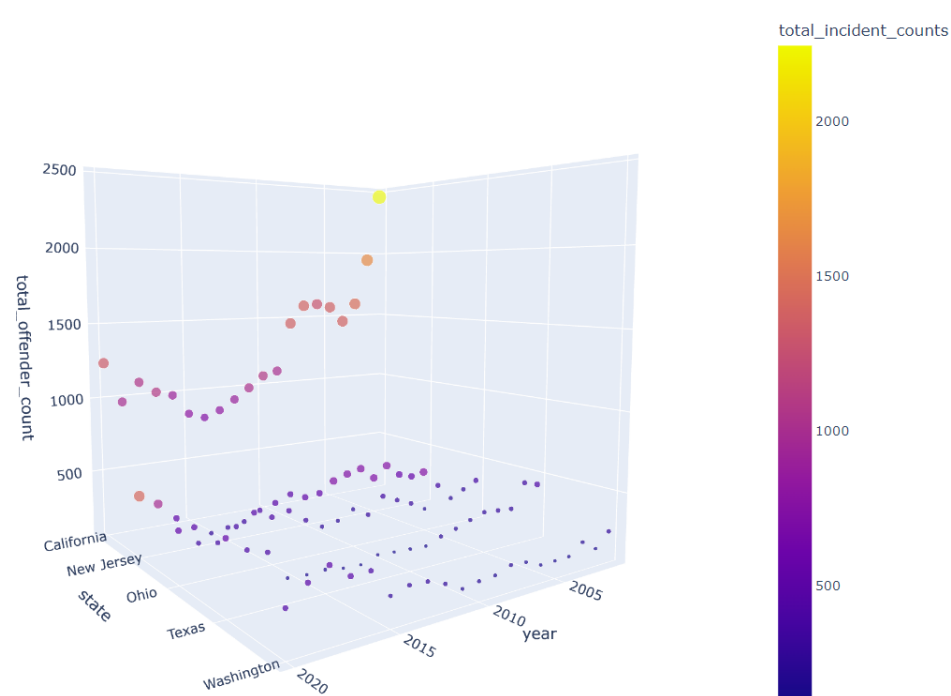
2B

3-Dimensional Graph:

Tool used: Plotly library

The graph shows the relation between the top 5 hate crime incidents in states, year, and the total. Offender counts. And the color variation indicated on the rights shows the total incident counts for that specific year of a given state.

Top five states with maximum incidents recorded over the year and the number of offenders involved



Top five states with maximum incidents recorded over the year and the number of offenders involved

