

Documentation Final DataViz Assignment

Crime in the USA

Group 5 "Mur-Der JUDAS!"

Suyash Sharma s2378191

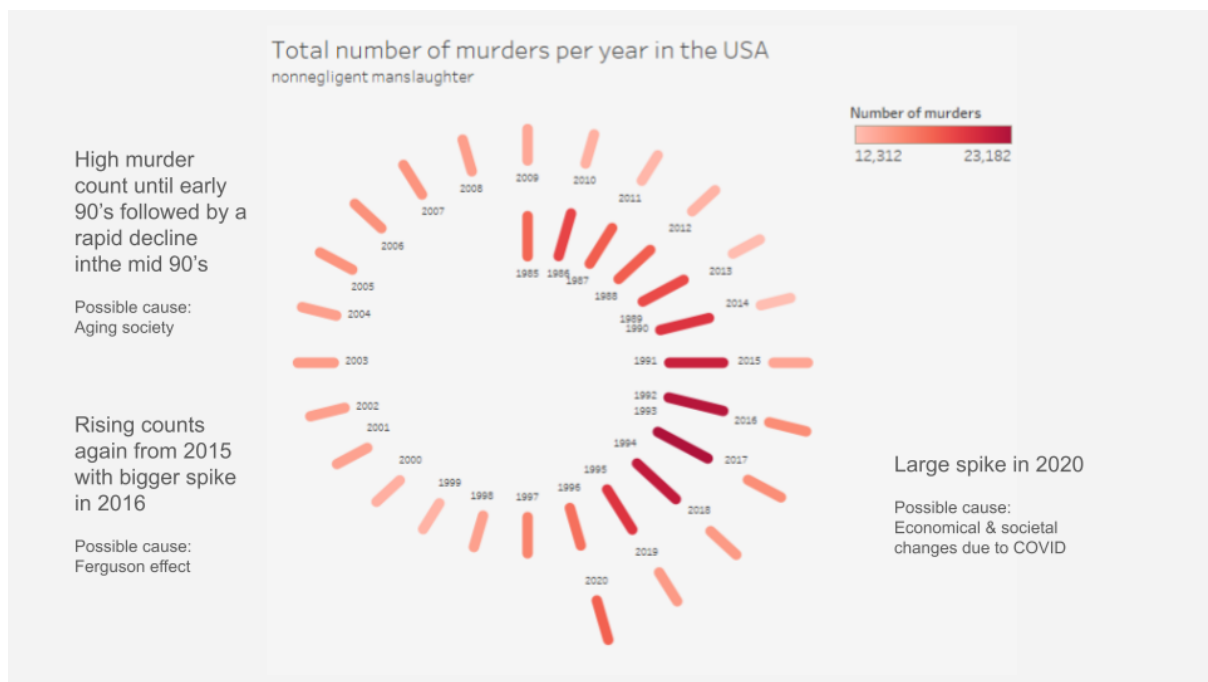
Elise Schut s2402955

Alexandra Pintilie s2331586

Lennart Derksen s2266326

Yekaterina Michshenko s2547546

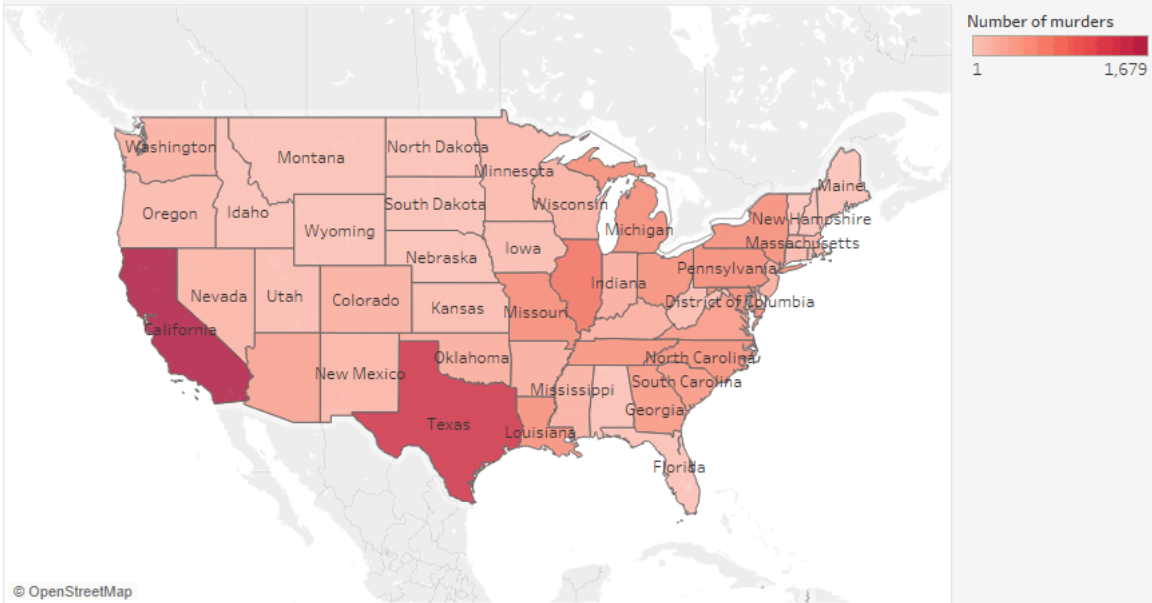
Sub-Theme: Murder - Elise



Source: <https://crime-data-explorer.fr.cloud.gov/pages/explorer/crime/shr>

Murders in the USA per state in 2019 - Total murders

Nonnegligent manslaughter



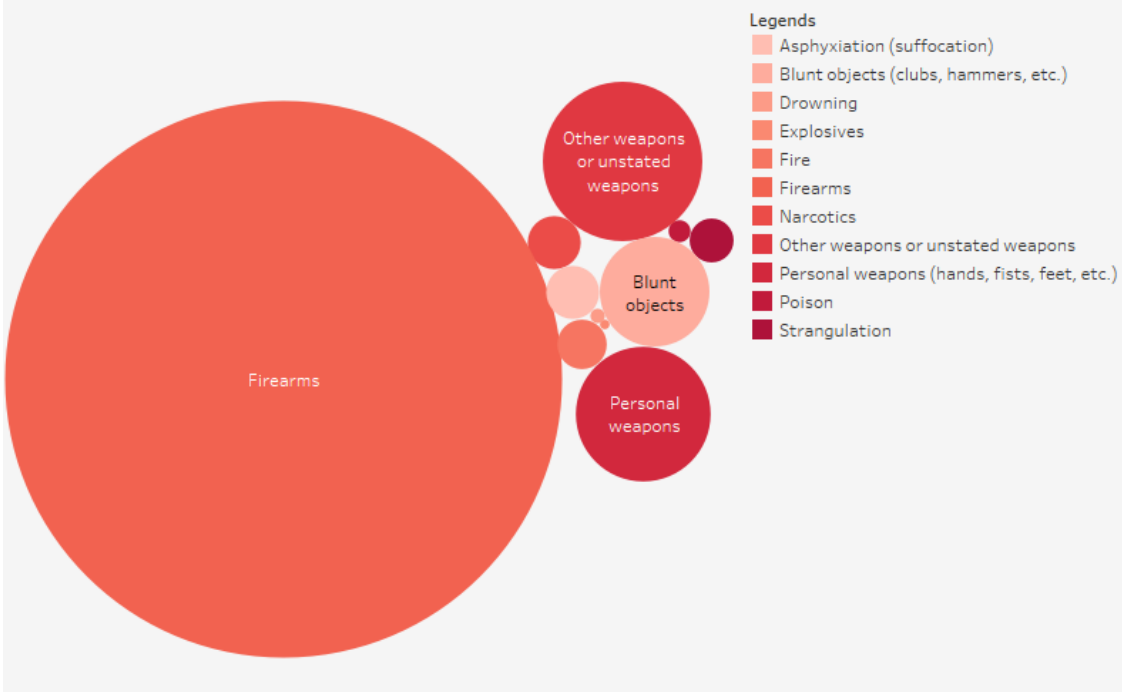
Map based on Longitude (generated) and Latitude (generated). Colour shows Total murders. The marks are labelled by State. The view is filtered on State, which excludes Null.

Source:

<https://ucr.fbi.gov/crime-in-the-u.s/2019/crime-in-the-u.s.-2019/topic-pages/tables/table-20>

Murder weapons used in the USA in 2019

Nonnegligent manslaughter

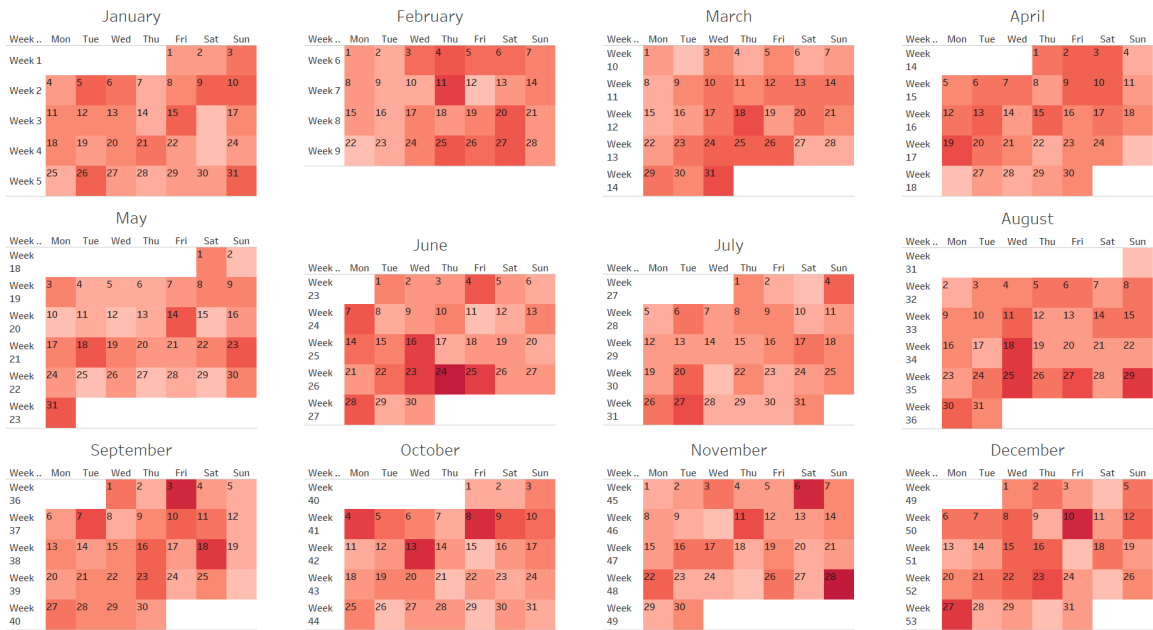


Source:

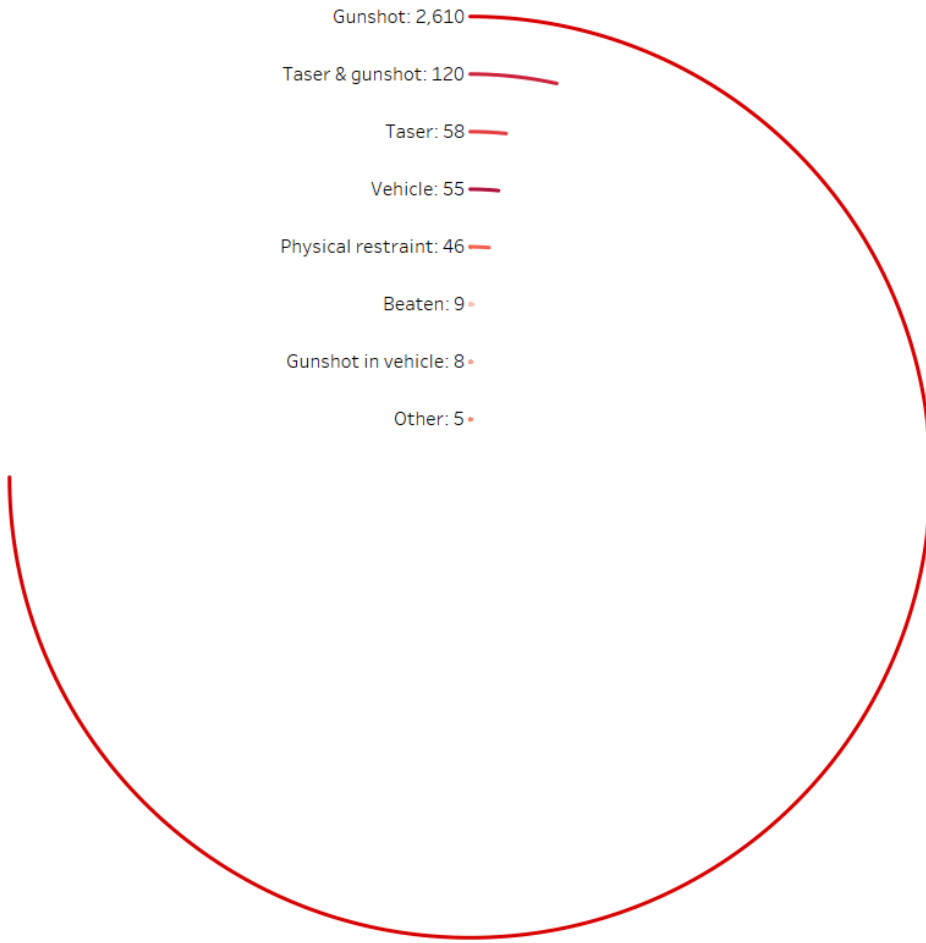
<https://ucr.fbi.gov/crime-in-the-u.s/2019/crime-in-the-u.s.-2019/topic-pages/tables/expanded-homicide-data-table-8.xls>

Sub-Theme: Police Brutality - Lennart

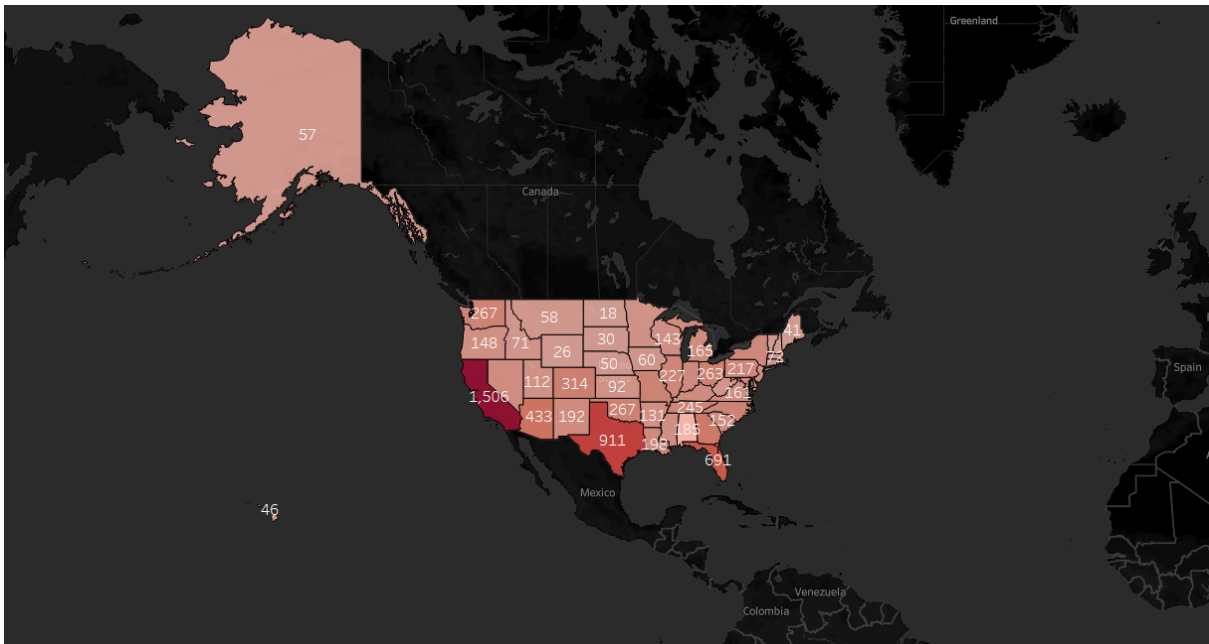
Murders by police officers in 2021 in the USA



<https://mappingpoliceviolence.org>



<https://mappingpoliceviolence.org>

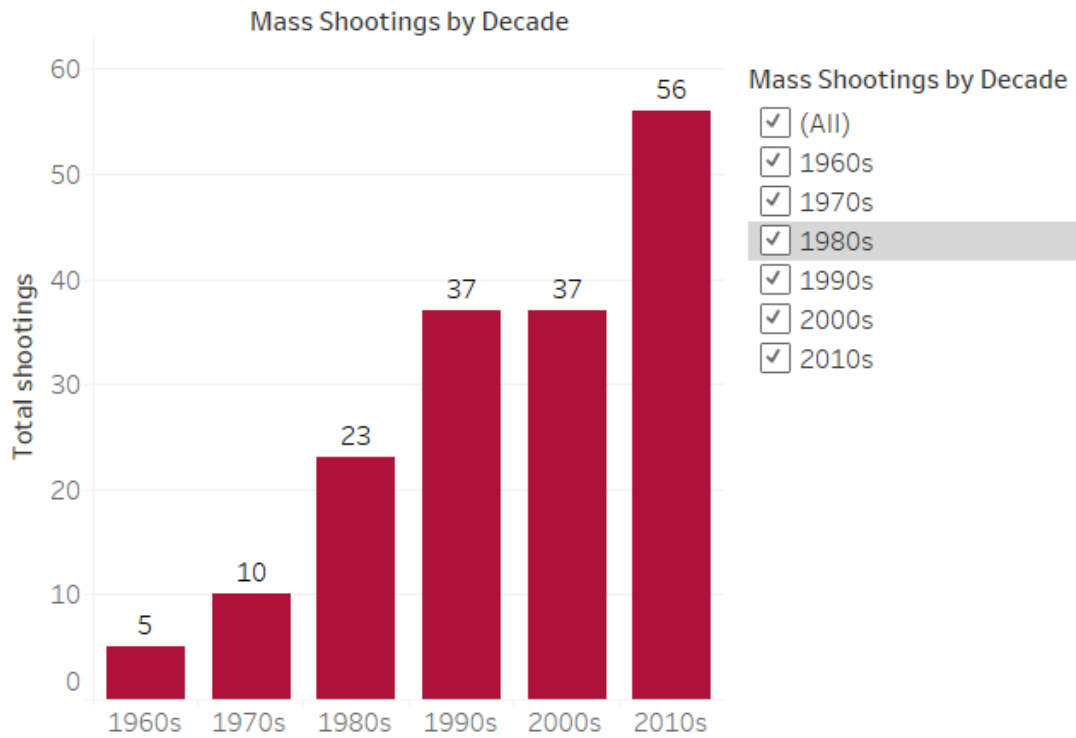


<https://policeviolencereport.org>

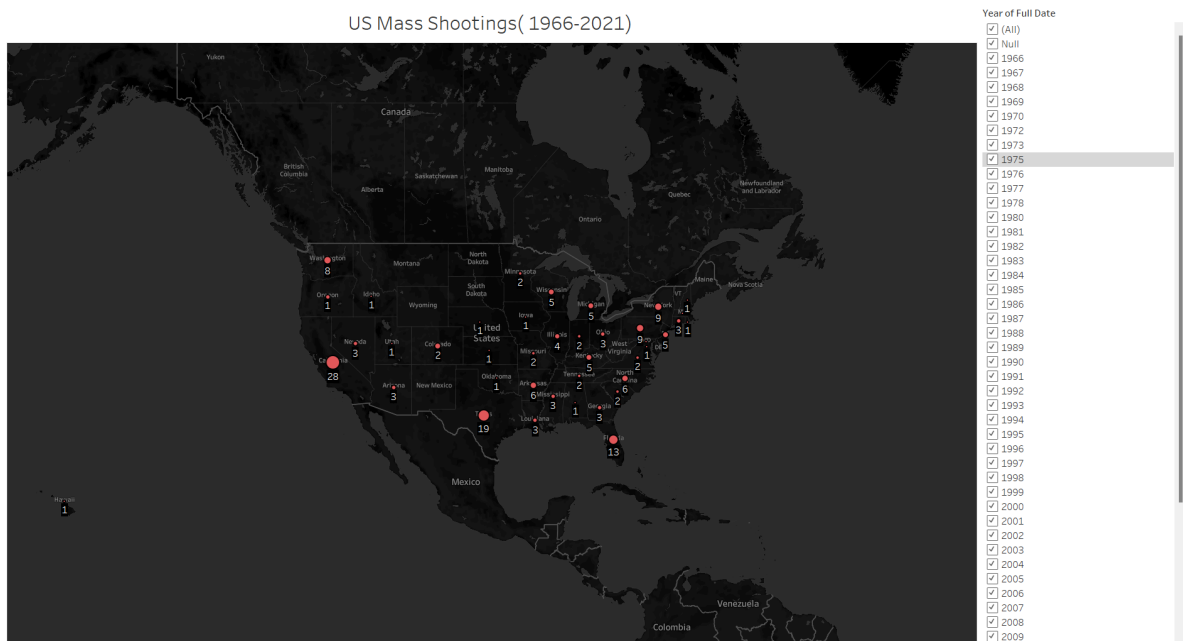
Sub-Theme: Gun Violence - Suyash

Bar Chart of cases of mass shootings in the USA over the decades(1966-2022)

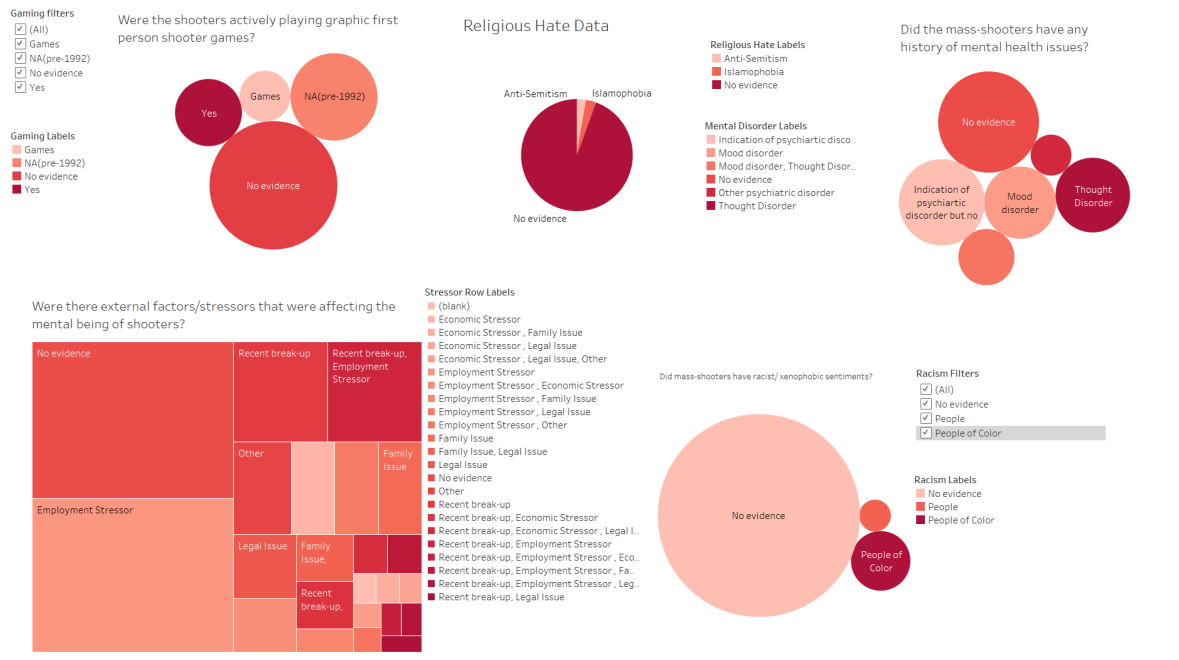
Mass Shootings over the decade



Map of frequency of recorded mass-shootings in the USA (across states)



Mass Shooter data over the years (1966-2022)

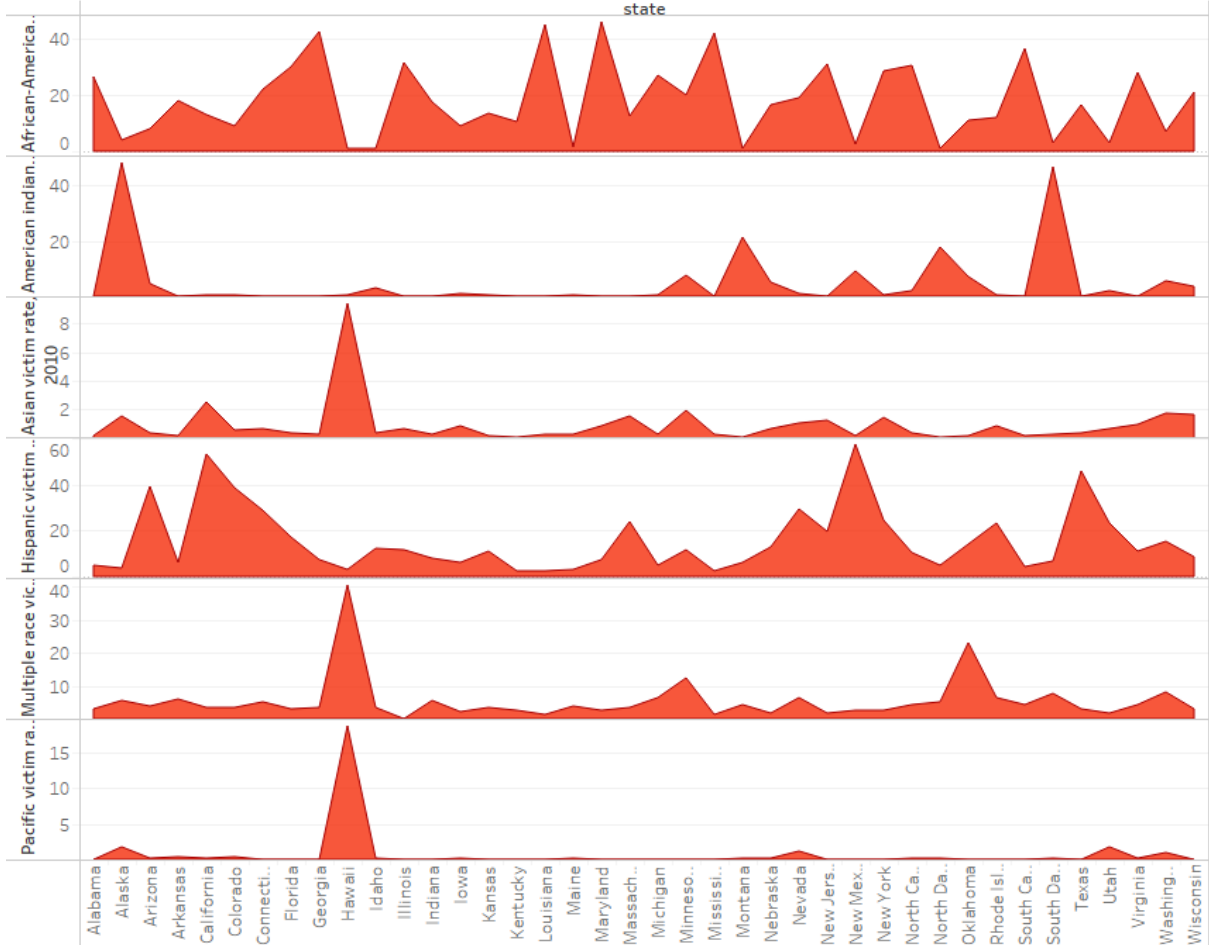


Data source-<https://www.theviolenceproject.org/contact-us/>



data source: <https://data.world/hhs/child-maltreatment-2010>

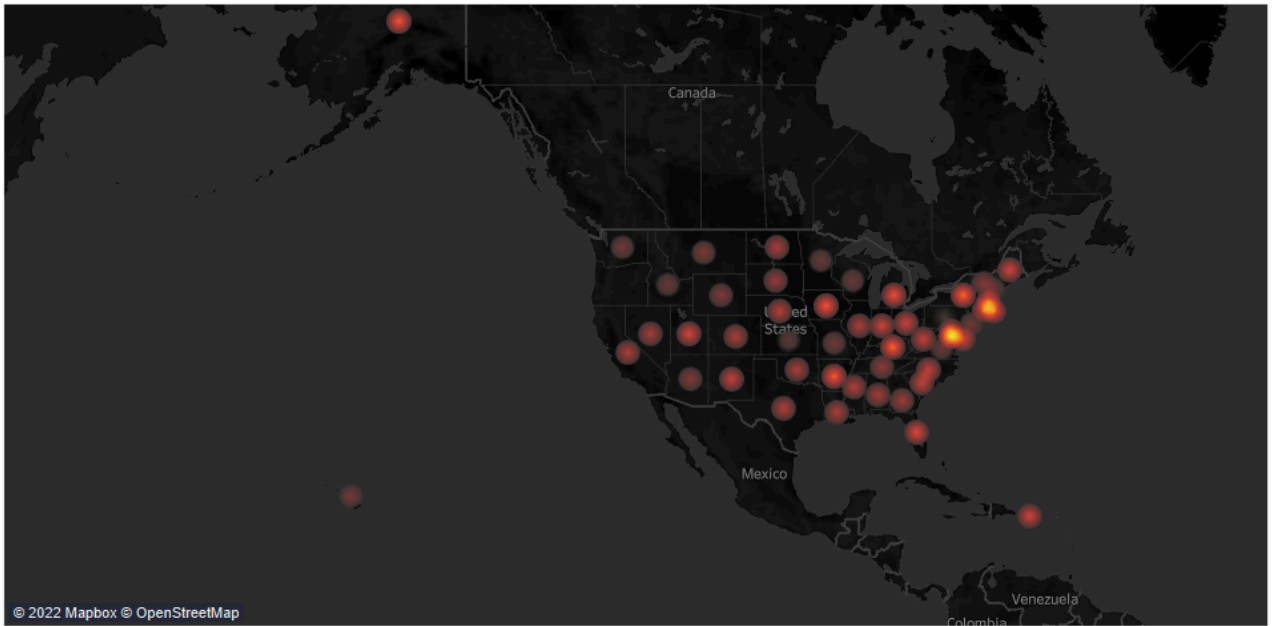
Ethnicity and child abuse (2010)



African-American victim rate, 2010, American indian/Alaska native victim rate, 2010, Asian victim rate, 2010, Hispanic victim rate, 2010, Multiple race victim rate, 2010 and Pacific victim rate, 2010 for each state. The data is filtered on State, which excludes Null, Rate, State, States Reporting and Total. The view is filtered on African-American victim rate, 2010, American indian/Alaska native victim rate, 2010, Asian victim rate, 2010, Hispanic victim rate, 2010, Multiple race victim rate, 2010 and Pacific victim rate, 2010. The African-American victim rate, 2010 filter keeps all values. The American indian/Alaska native victim rate, 2010 filter ranges from 0.04 to 48.46. The Asian victim rate, 2010 filter ranges from 0.072 to 9.404. The Hispanic victim rate, 2010 filter ranges from 1.98 to 57.90. The Multiple race victim rate, 2010 filter ranges from 0.01 to 40.71. The Pacific victim rate, 2010 filter ranges from 0.01 to 18.75.

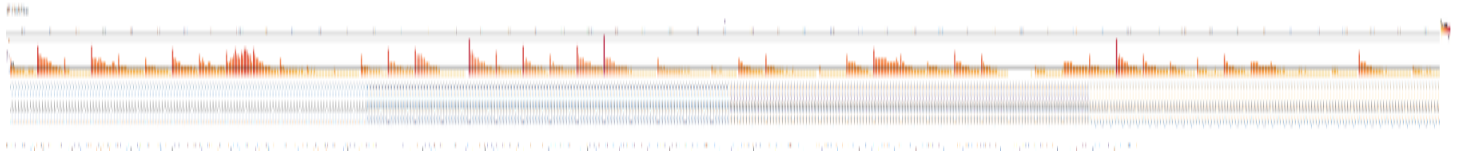
data source: <https://data.world/hhs/child-maltreatment-2010>

Map2011victims



Map based on Longitude (generated) and Latitude (generated). Color shows details about Victim rate 2011 (unique). Details are shown for States. The view is filtered on States, which keeps 58 of 58 members.

data source: <https://data.world/hhs/child-maltreatment-2011>

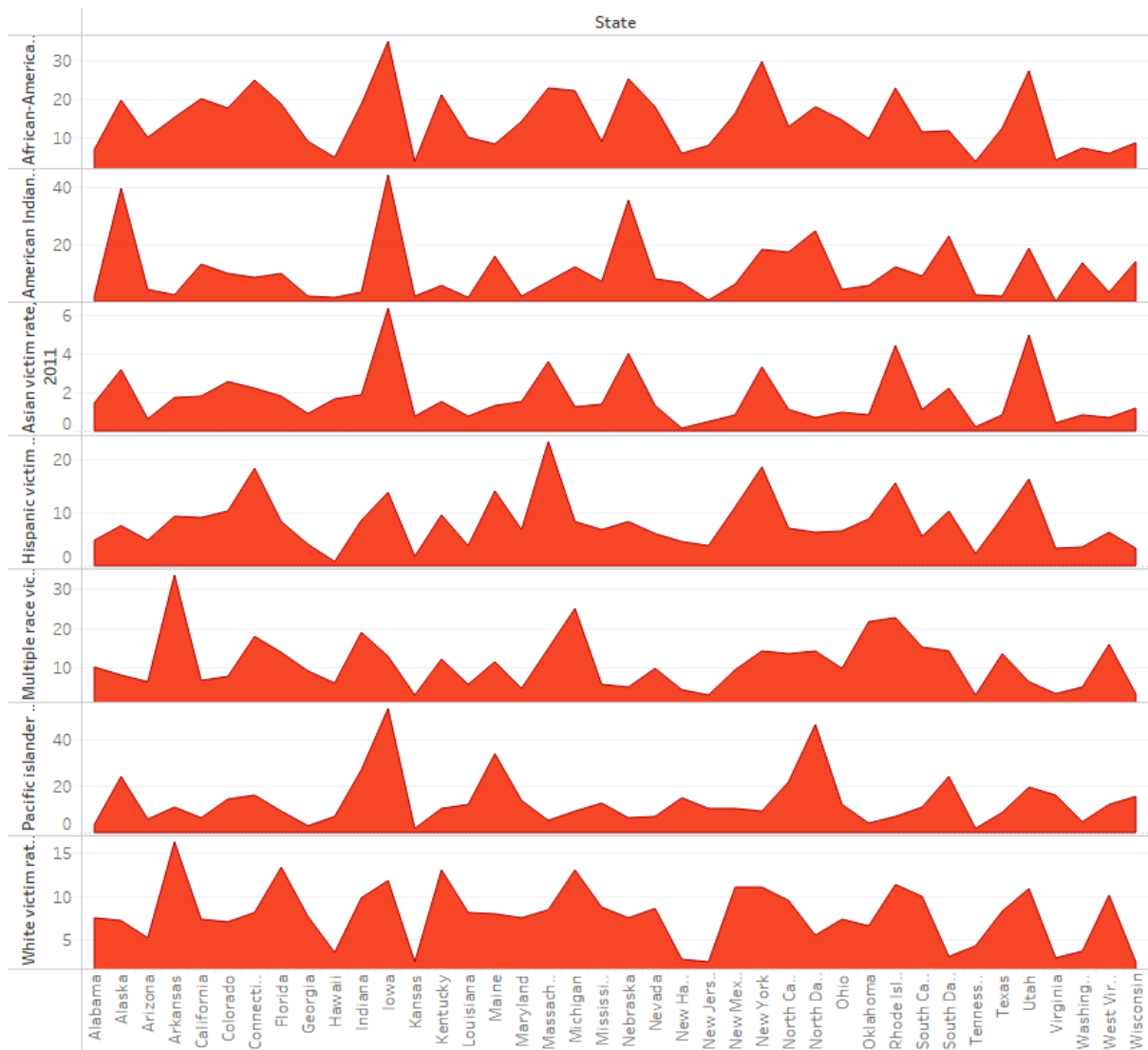


data source: <https://data.world/hhs/child-maltreatment-2011>



data source: <https://data.world/hhs/child-maltreatment-2011>

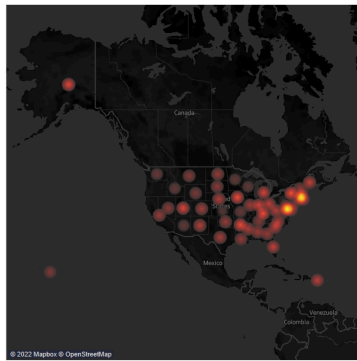
Ethnicity and abuse 2011



African-American victim rate, 2011, American Indian/Alaska native victim rate, 2011, Asian victim rate, 2011, Hispanic victim rate, 2011, Multiple race victim rate, 2011, Pacific islander victim rate, 2011 and White victim rate, 2011 for each State. The data is filtered on States, which keeps 58 of 58 members. The view is filtered on African-American victim rate, 2011, American Indian/Alaska native victim rate, 2011, Asian victim rate, 2011, Hispanic victim rate, 2011, Multiple race victim rate, 2011, Pacific islander victim rate, 2011, White victim rate, 2011 and State. The African-American victim rate, 2011 filter ranges from 2.74 to 35.15. The American Indian/Alaska native victim rate, 2011 filter ranges from 0.21 to 44.28. The Asian victim rate, 2011 filter ranges from 0.130 to 6.401. The Hispanic victim rate, 2011 filter ranges from 0.54 to 23.36. The Multiple race victim rate, 2011 filter ranges from 2.75 to 33.54. The Pacific islander victim rate, 2011 filter ranges from 1.18 to 53.40. The White victim rate, 2011 filter ranges from 2.41 to 16.30. The State filter excludes Rate.

data source: <https://data.world/hhs/child-maltreatment-2011>

Map of the frequency of recorded child abuse in the USA (2010)



- States
- Alabama
 - Alaska
 - Arizona
 - Arkansas
 - California
 - Colorado
 - Connecticut
 - Delaware
 - District of Columbia
 - Florida
 - Georgia
 - Hawaii
 - Idaho
 - Illinois
 - Indiana
 - Iowa
 - Kansas
 - Kentucky
 - Louisiana
 - Maine
 - Maryland
 - Massachusetts
 - Michigan
 - Minnesota
 - Mississippi
 - Missouri
 - Montana
 - Nebraska
 - Nevada
 - New Hampshire
 - New Jersey
 - New Mexico
 - New York
 - North Carolina
 - North Dakota
 - Ohio
 - Oklahoma
 - Oregon
 - Pennsylvania
 - Rhode Island
 - South Carolina
 - South Dakota
 - Texas
 - Utah
 - Virginia
 - Washington
 - West Virginia
 - Wisconsin
 - Wyoming

African-American victim rate, All values
0.037423150 to 48.4601769

American Indian/Alaska native, 0.073306500 to 5.403669725

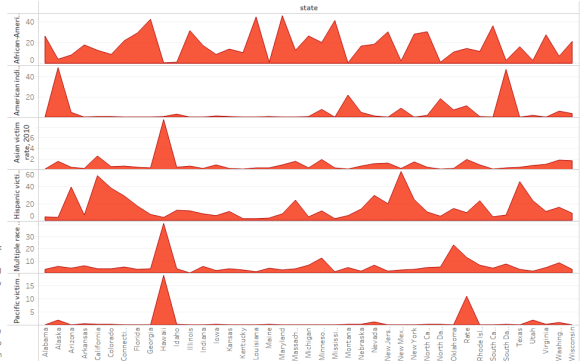
Asian victim rate, 2010 1.977468840 to 57.9044117

Hispanic victim rate, 2010 0.007658724 to 40.7110029

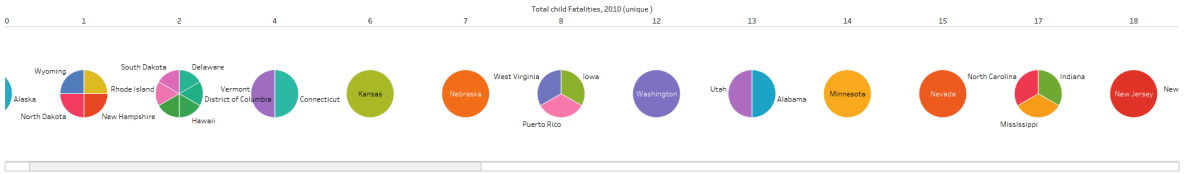
Multiple race victim rate, 2010 0.006872335 to 18.75

Pacific victim rate, 2010

Ethnicity and child abuse (2010)

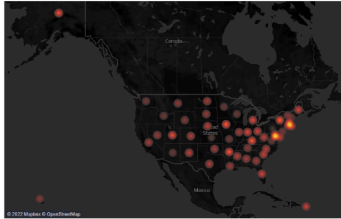


Fatalities resulted from child abuse (2010)



Dashboard 1: interactive dashboard displaying 3 visualizations regarding child abuse in 2010

Map of the frequency of recorded child abuse in the USA (2010)



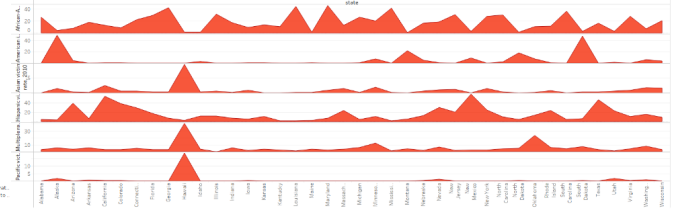
- States
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 - Illinois
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 - Kansas
 - Kentucky
 - Louisiana
 - Maine
 - Maryland
 - Massachusetts
 - Michigan
 - Minnesota
 - Mississippi
 - Missouri
 - Montana
 - Nebraska
 - Nevada
 - New Hampshire
 - New Jersey
 - New Mexico
 - New York
 - North Carolina
 - North Dakota
 - Ohio
 - Oklahoma
 - Oregon
 - Pennsylvania
 - Rhode Island
 - South Carolina
 - South Dakota
 - Texas
 - Utah
 - Virginia
 - Washington
 - West Virginia
 - Wisconsin
 - Wyoming

Child abuse in the USA in 2010

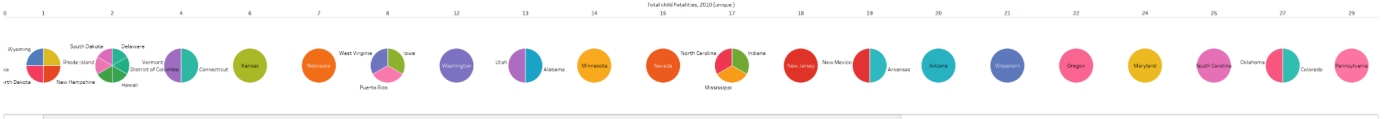
Child abuse is a serious societal issue that affects our children. Unfortunately, little awareness exists regarding this topic. Across the USA, children of all ages are victims. In this interactive visualization the user can change parameters (State, age group, ethnicity) to gain a better understanding of the problem.

- States colour legend
- Alabama
 - Alaska
 - Arizona
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 - Florida
 - Georgia
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 - Montana
 - Nebraska
 - Nevada
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 - New Jersey
 - New Mexico
 - New York
 - North Carol.
 - North Dako.
 - Ohio
 - Oklahoma
 - Oregon
 - Pennsylvan
 - Puerto Rico
 - Rhode Islan
 - South Carol.
 - South Dak.
 - Texas
 - Utah
 - Virginia
 - Washingt.
 - West Virgini
 - Wisconsin
 - Wyoming

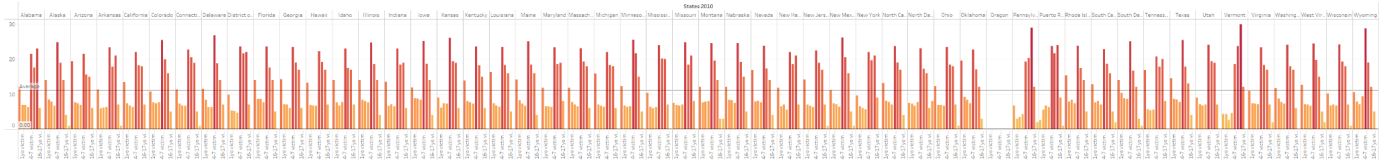
Ethnicity and child abuse (2010)



Fatalities resulted from child abuse (2010)

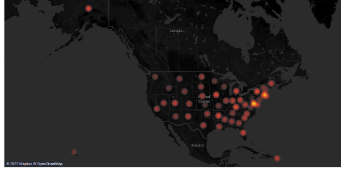


Victim rate per age group (2010)



Dashboard 2: interactive dashboard displaying 4 visualizations regarding child abuse in 2010

Map of the frequency of recorded child abuse in the USA (2011)



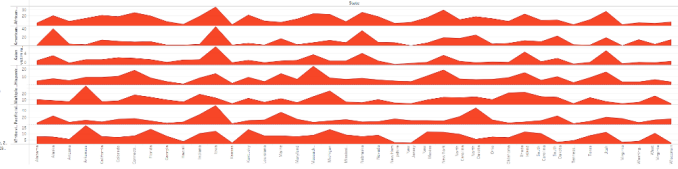
- States
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Child abuse in the USA in 2011

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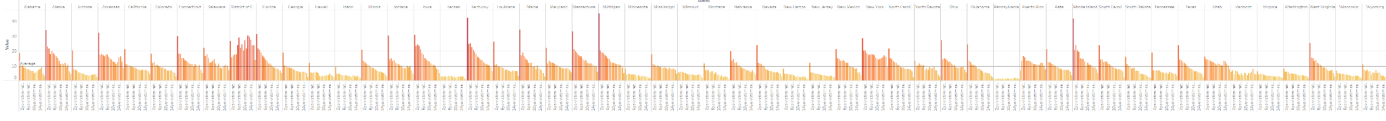
Ethnicity and child abuse (2011)



Fatalities resulted from child abuse (2011)



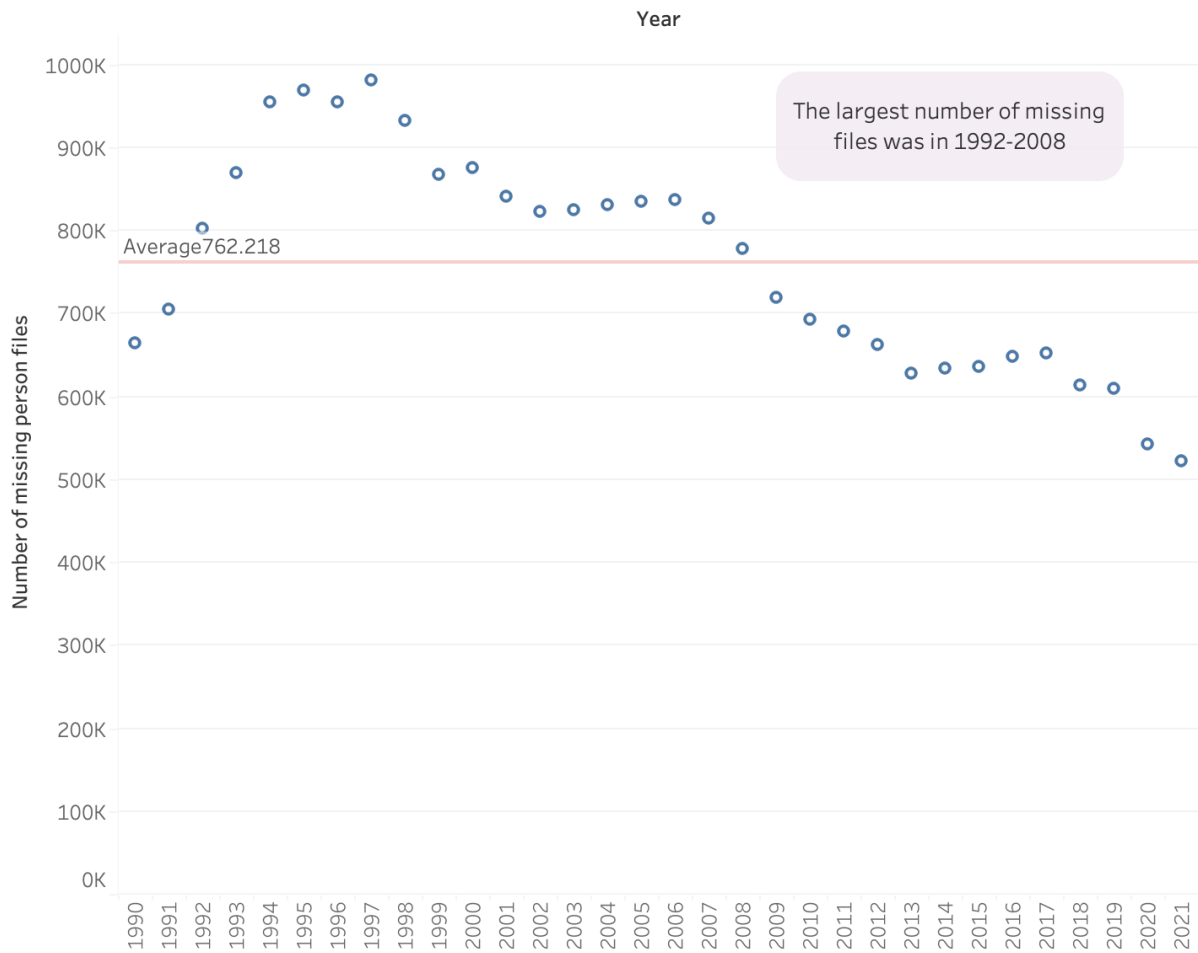
Victim rate per age group (2011)



Dashboard 3: interactive dashboard displaying 4 visualizations regarding child abuse in 2011

Sub-Theme: Missing persons - Yekaterina

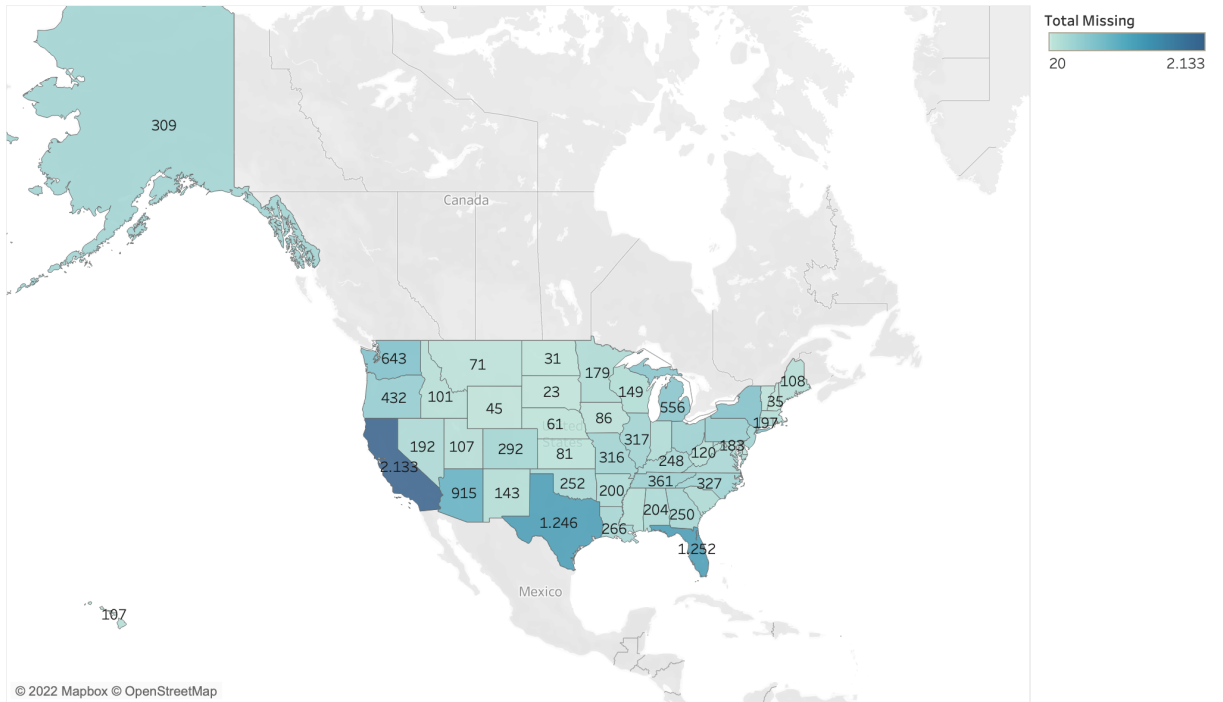
Missing person files in the U.S. from 1990 to 2021



Sum of Number for each Year Year. The view is filtered on Year Year, which excludes Null.

<https://www.statista.com/statistics/240401/number-of-missing-person-files-in-the-us-since-1990/>

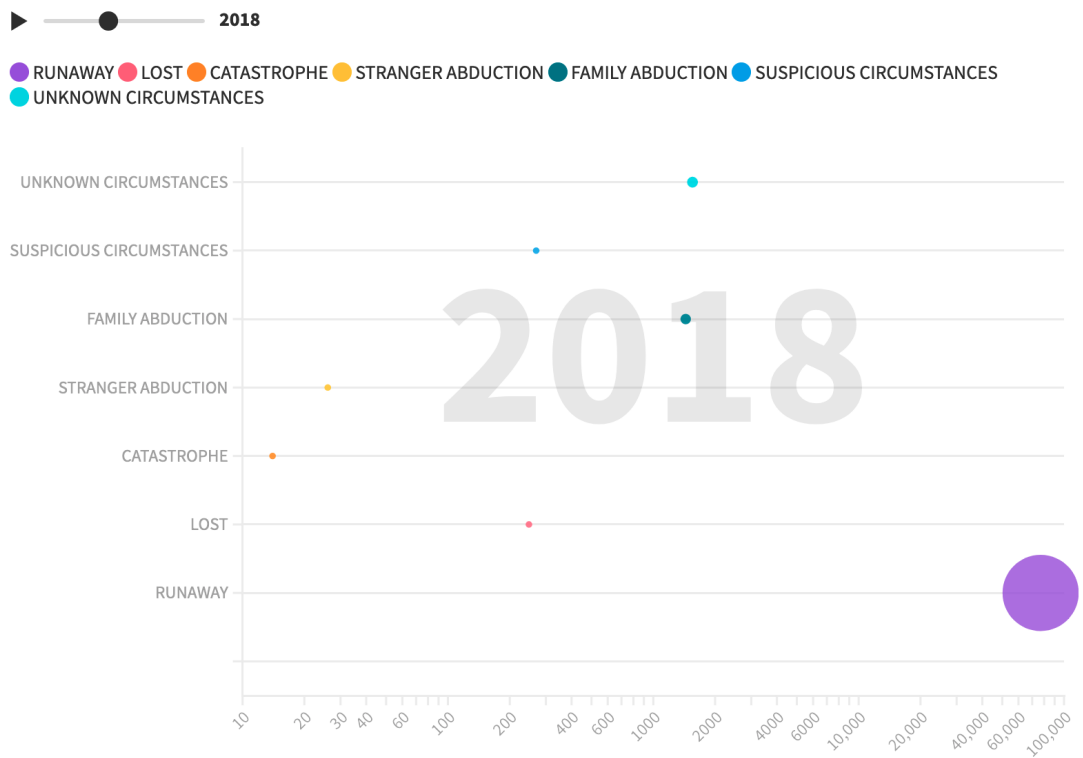
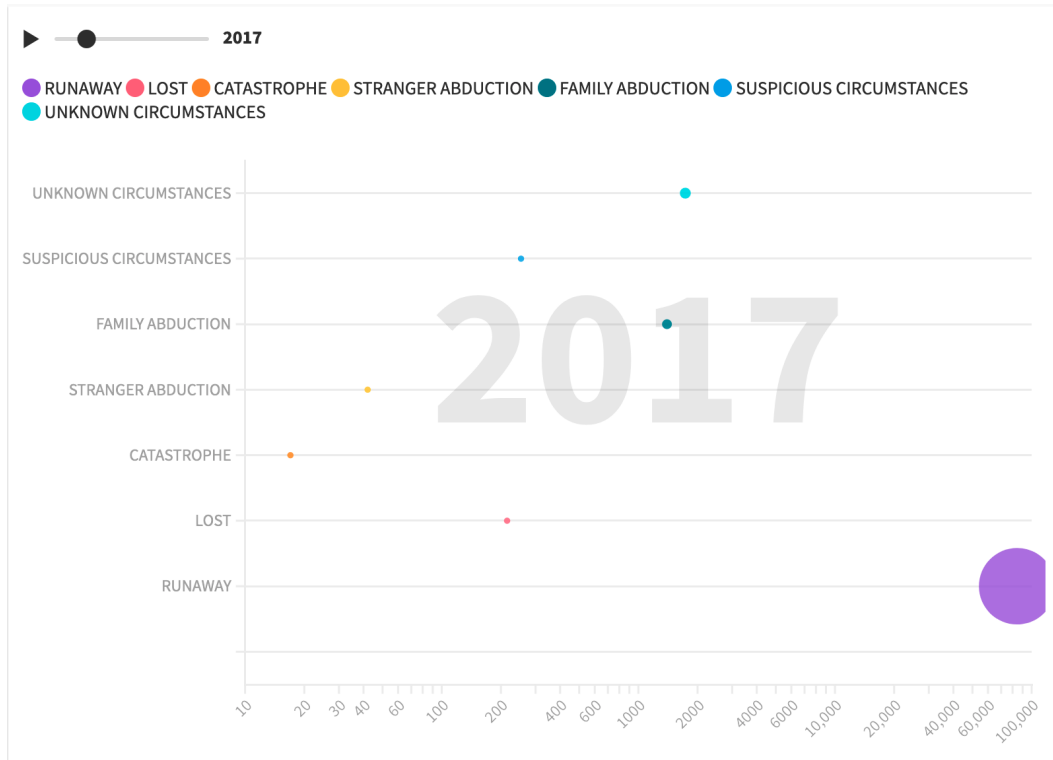
Missing Persons by State 2022



Map based on Longitude (generated) and Latitude (generated). Color shows sum of Total Missing. The marks are labeled by sum of Total Missing. Details are shown for State.

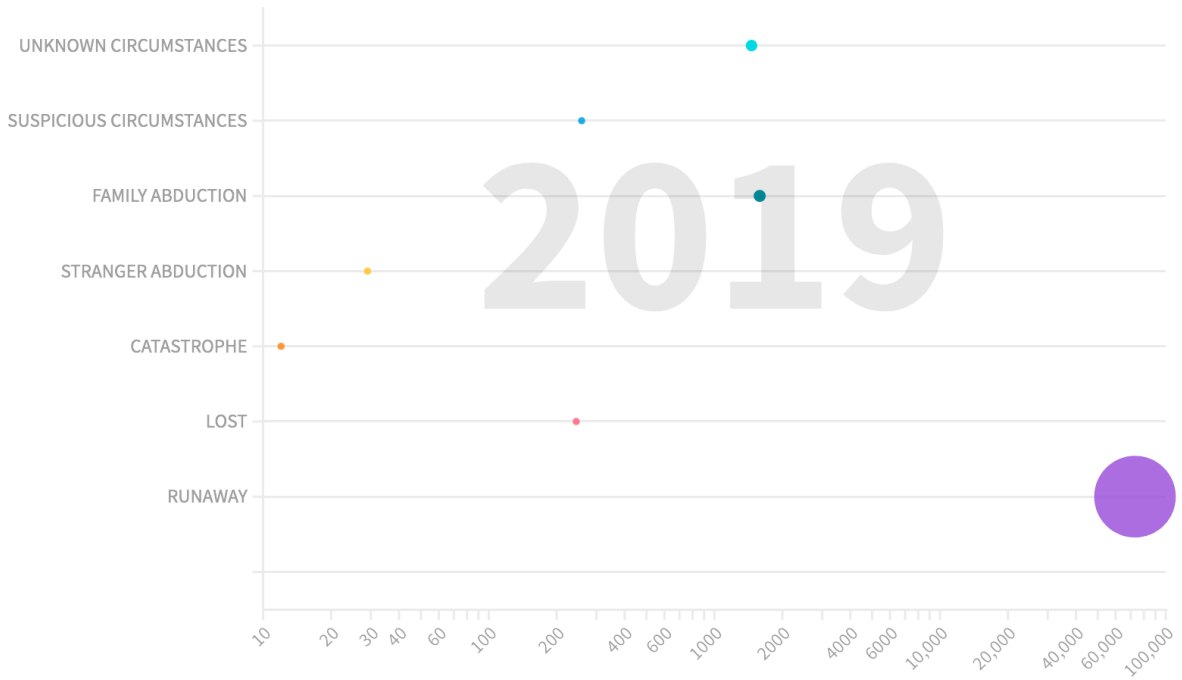
<https://worldpopulationreview.com/state-rankings/missing-persons-by-state#:~:text=According%20to%20the%20National%20Missing%20and%20Unidentified%20Persons,of%20missing%20persons%20cases%20are%20resolved%20relatively%20quickly>

REPORTS OF MISSING CHILDREN IN CALIFORNIA BY YEAR (2017-2021)



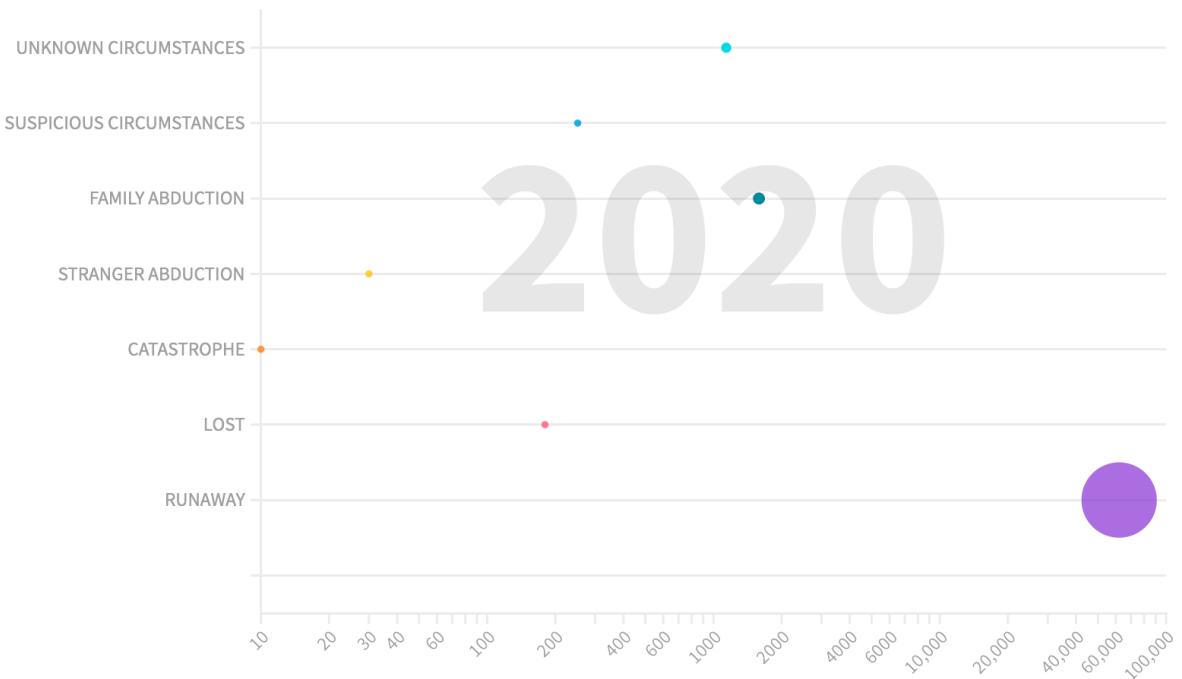
▶ 2019

● RUNAWAY ● LOST ● CATASTROPHE ● STRANGER ABDUCTION ● FAMILY ABDUCTION ● SUSPICIOUS CIRCUMSTANCES
● UNKNOWN CIRCUMSTANCES



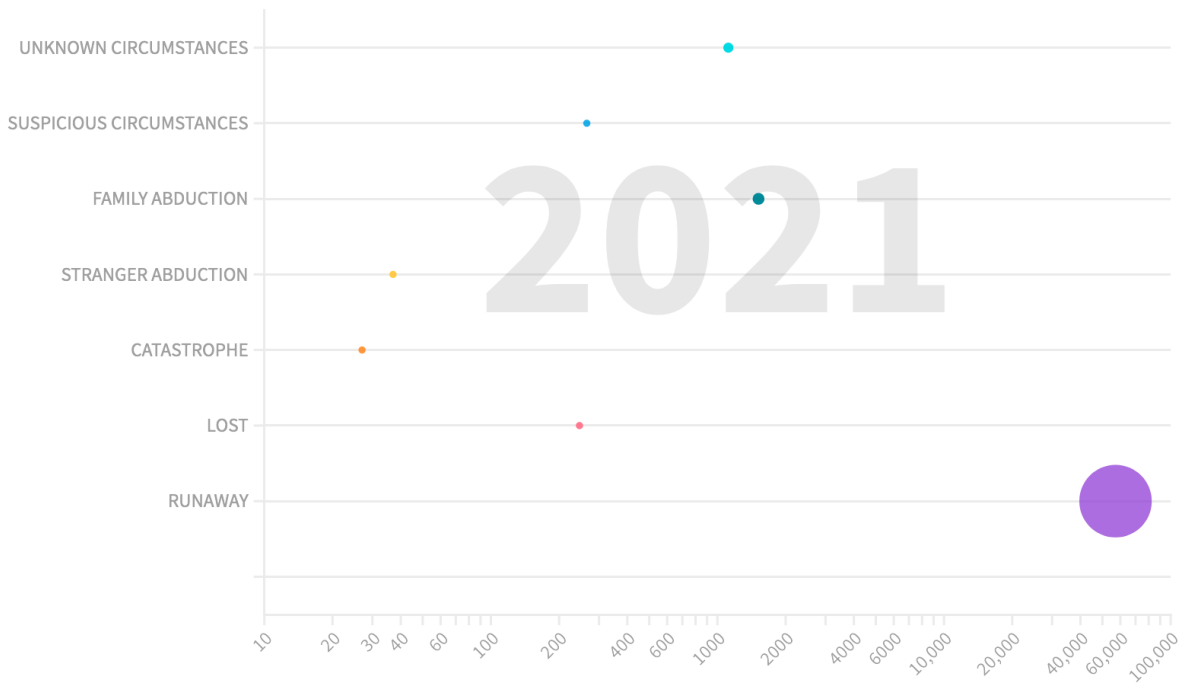
▶ 2020

● RUNAWAY ● LOST ● CATASTROPHE ● STRANGER ABDUCTION ● FAMILY ABDUCTION ● SUSPICIOUS CIRCUMSTANCES
● UNKNOWN CIRCUMSTANCES



▶ —● 2021

● RUNAWAY ● LOST ● CATASTROPHE ● STRANGER ABDUCTION ● FAMILY ABDUCTION ● SUSPICIOUS CIRCUMSTANCES
● UNKNOWN CIRCUMSTANCES



<https://oag.ca.gov/system/files/media/ch-ann-reports-2021.pdf>