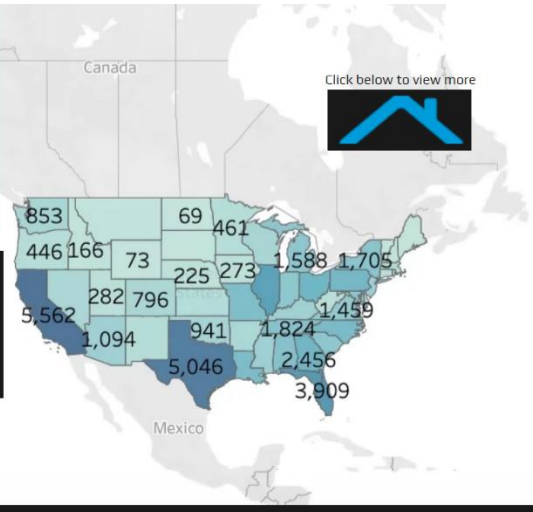
GUN SALES & RELATED VIOLENCE IN THE US

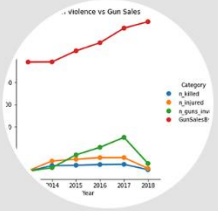
This websites aims to provide data from ethical and scientific perspectives that connects between gun violence and gun ownership in the United States, considering state laws, ownership rates, and State sales.



63

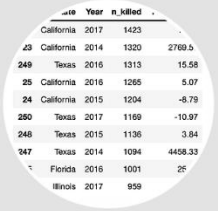
Home | Gun Sales vs Gun Violence | State Data and YoY Change | More

Tables and Graphs:



01. Gun violence vs. Gun Sales

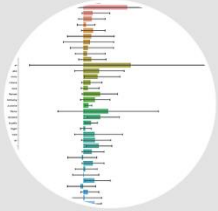
READ MORE



	State	Year	n_killed	
	California	2017	1423	
53	California	2014	1320	2769.5
249	Texas	2016	1313	15.58
25	California	2016	1265	5.07
24	California	2015	1204	-8.79
250	Texas	2017	1169	-10.97
248	Texas	2015	1136	3.84
247	Texas	2014	1094	4458.33
	Florida	2016	1001	25
	Illinois	2017	959	

02. State Data and Correlations

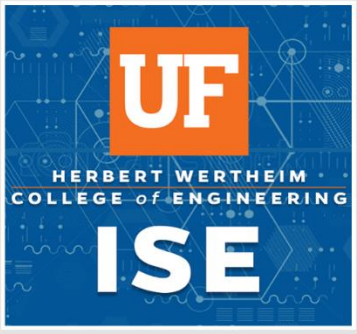
READ MORE



03. Average Change Year to Year

READ MORE

About Us



READ MORE >

More Statistics

Unites States Violence Occurrences

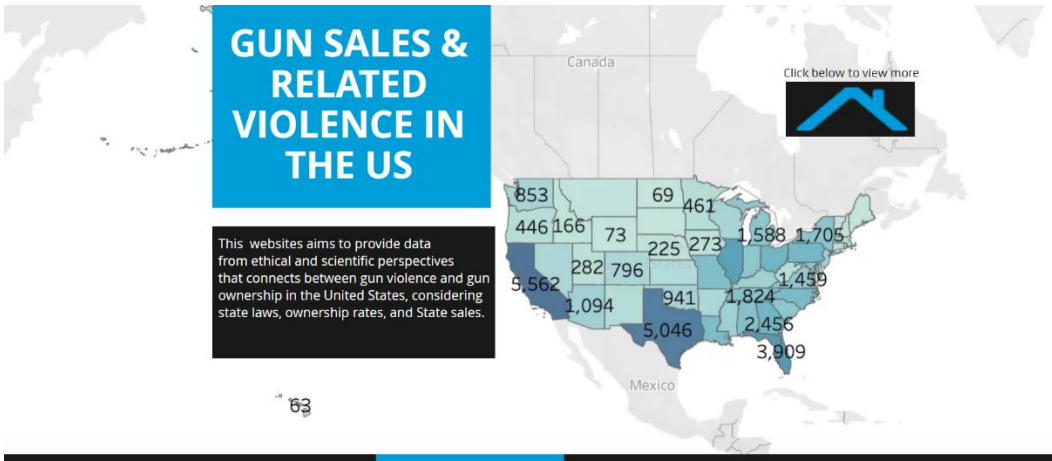
Occurrences in the US where participants were either injured or killed in gun-related situations

READ MORE >

Sources

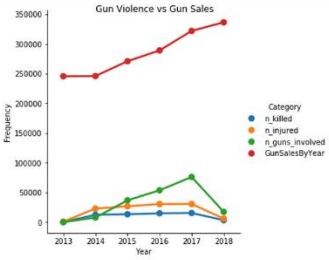
Where we have taken our data from and what we do with it

READ MORE >



Home | Gun Sales vs Gun Violence | State Data and YoY Change | More

Gun Sales vs. Gun Violence



In the analysis of trends regarding Gun Sales and Incidents (noting if guns were involved, those killed, and those injured), the increase of sales shows no effect on the frequency of those killed/injured. From 2014-2018, gun sales have steadily increased whilst those kill/injured have generally stayed consistent. However, the incidents involving guns have increased similarly to gun sales.

Note: When looking over the data, we decided to take out 2018 due the assumption that the year had incomplete data for incidents.

Summary of Gun Sales and Incidents from 2013-2018

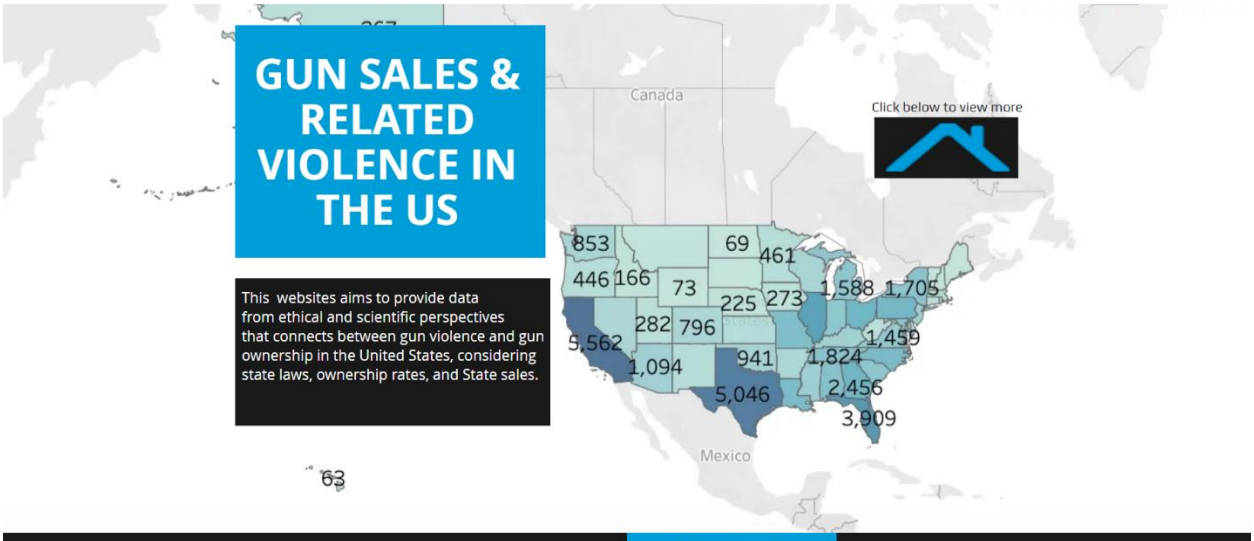
	Year	n_killed	n_injured	n_guns_involved	GunSalesByYear
0	2013	317	979	121.0	245749
1	2014	12557	23002	7927.0	246087
2	2015	13484	26967	36849.0	271018
3	2016	15066	30580	53821.0	289223
4	2017	15511	30703	76189.0	322078
5	2018	3533	6171	17545.0	336549

This assumption can be supported when looking into this table summary. From 2017 to 2018, the number of incidents with guns involved decreased drastically by 76.97%, which is unlikely to have occurred.

Top 10 Places (State & Year) of Those Killed

	state	Year	n_killed	YoY Change
26	California	2017	1423	12.49
23	California	2014	1320	2769.57
249	Texas	2016	1313	15.58
25	California	2016	1265	5.07
24	California	2015	1204	-8.79
250	Texas	2017	1169	-10.97
248	Texas	2015	1136	3.84
247	Texas	2014	1094	4458.33
55	Florida	2016	1001	25.75
78	Illinois	2017	959	1.37

This table shows the top places by State and Year of those killed. This seems to be expected because the states displayed excluding Illinois, are the top 3 with the highest population. Year of Year Change was then calculated, showing in comparison to the state's previous year's data on those killed and the provided year. From this, the YoY change varies over the years for different states . California placed several times in regards to those killed and over time has decreased then increased. Texas, who also placed multiple times, has done the same. Therefore, establishing a correlation

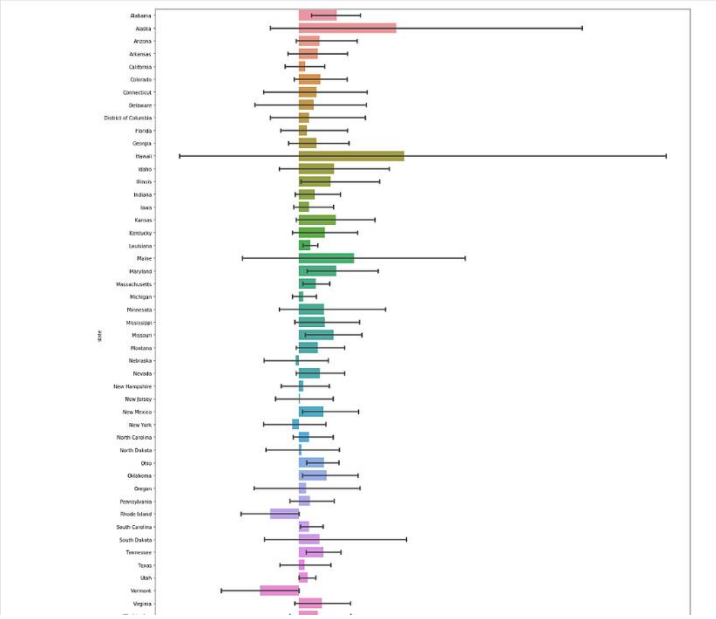


Home | Gun Sales vs Gun Violence | State Data and YoY Change | More

Let's Chat!
We'll reply as soon as we can

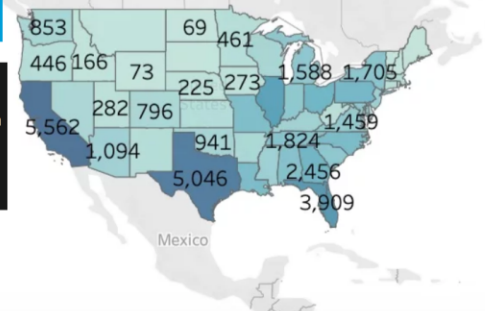
Shooting Data

This table shows the shooting data of every state. The black line shows the difference of Year to year change the colored lines show the average change from year to year for each state



GUN SALES & RELATED VIOLENCE IN THE US

This websites aims to provide data from ethical and scientific perspectives that connects between gun violence and gun ownership in the United States, considering state laws, ownership rates, and State sales.

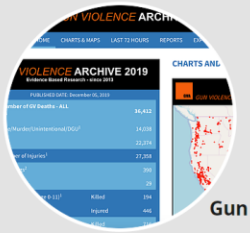


63

SOURCES

Where we got our data from:

ATF Resource center



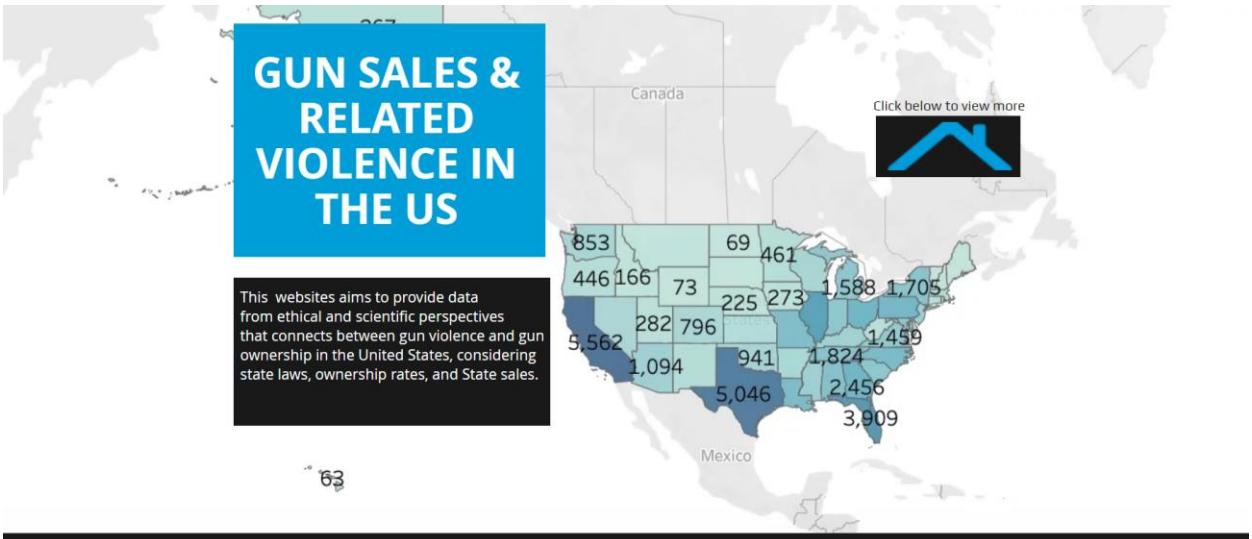
Gun Violence Archive

TOOLS

How we manipulated the data:

Python

Microsoft Access



Home | Gun Sales vs Gun Violence | State Data and YoY Change | More

HERBERT WERTHEIM COLLEGE of ENGINEERING
UF
ISE

About Us

We are six students who are Industrial & System Engineering majors at the University of Florida. We were provided with data of Gun violence in the US over the past 5 years. From this data we were asked to manipulate it and find some correlation within it and answer a question. We decided to compare Gun Sales in the US with Violence in the US, by State.