



SCHOOL OF INFORMATION AND
COMMUNICATION TECHNOLOGY

DA4310 DATA SCIENCE

Report, Source Code & Presentation

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INTRODUCITON

The purpose of this report is to showcase a Dashboard Web Application with the use of Streamlit Python Coding. The dashboard displayed in this report will contain meaningful interactive visualizations and analysis of a chosen dataset. The dataset chosen is about the overall gun violence in America from the year 2012 to 2014.

PROBLEM STATEMENT

According to EveryTownResearch, 120 Americans are killed with guns and more than 200 are shot and wounded. This is why it's important to analysis and discover insights on why these deaths occur and what can be done to reduce the casualties.

AIMS OF THIS DASHBOARD

The main objective of this dashboard is to provide insights and additional analysis as to the reasons why the gun violence in America is high through meaningful visualizations.

MAIN DASHBOARD

The main dashboard will consist of 6 visualizations that uncover insights on various factors that affect the gun violence in America. There will also be an additional dashboard to show another 6 visualizations that are somewhat relevant to the study. The visualizations will cover many important conditions of the overall deaths that occur due to gun violence, these conditions include the age, intents, race, education etc.

USER MANUAL

RECOMMENDATIONS

CONCLUSIONS

REFERENCE

Gun Violence in America. (2023, August 8). Everytown Research & Policy.
<https://everytownresearch.org/report/gun-violence-in-america/>