

#Final Project

Storytelling & Business Intelligence

CHICAGO CRIME DATA ANALYSIS



By,

Group 4 team

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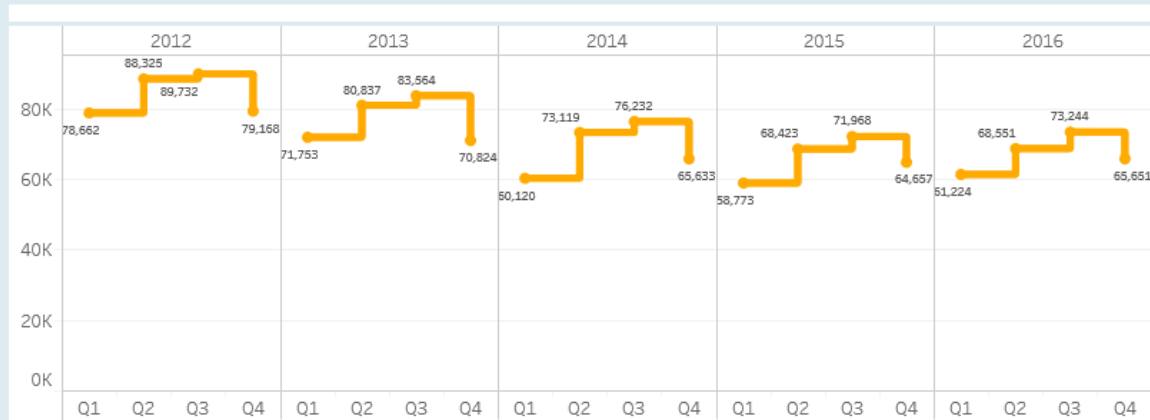
Objective

- Using data-driven storytelling techniques, build visualizations and provide recommendations to reduce the crime rate in the City of Chicago by 25% in 3 years' time
- Build dashboards for the following audience:
 1. Chief of Police
 2. CEO of Chicago Public Schools
 3. Mayor, Deputy Mayor, City's Chief of Public Policy and City's Chief Data Officer

Dashboard 1: Chief of Police

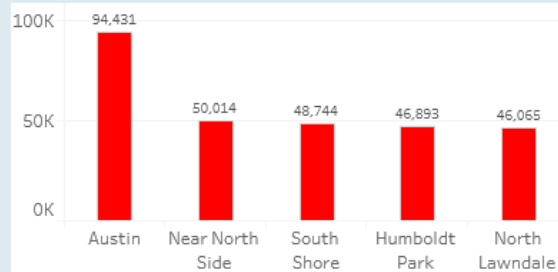
Crime Rate b/w 2012-2016

Crime Rate across Chicago City between 2012-2016

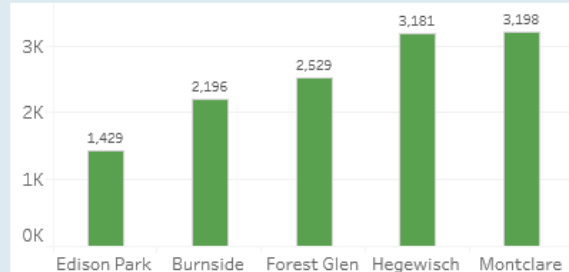


The crime rate in the City of Chicago has decreased over the years. But every year they seem to increase during Q3, which is actually the peak season of summer.

Top 5 Dangerous Communities



Top 5 Safest Communities



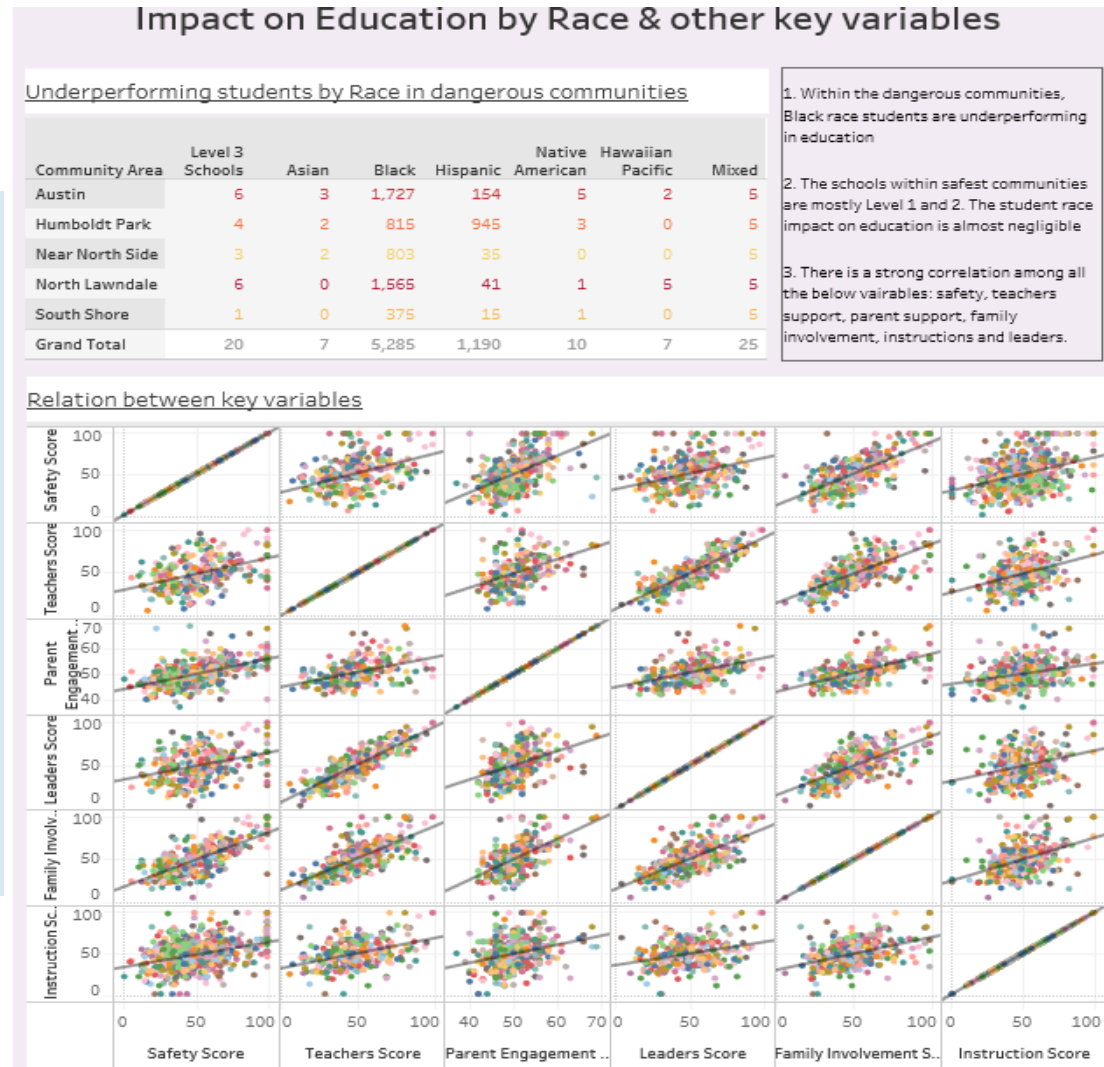
- The crime rate has decreased over the years from 2012 to 2016, but still the crime is high in Q3 (Summer Season)
- 'Austin' is the most dangerous community with high crime rate, while 'Edison Park' has the least crime and the most safest community in Chicago

[Tableau Link](#)

Dashboard 2: CEO of CPS

Two horizontal blue lines of different lengths are positioned below the text. The top line is longer and starts under the 'D' of 'Dashboard'. The bottom line is shorter and starts under the '2'.

Influencing factors to enhance Education



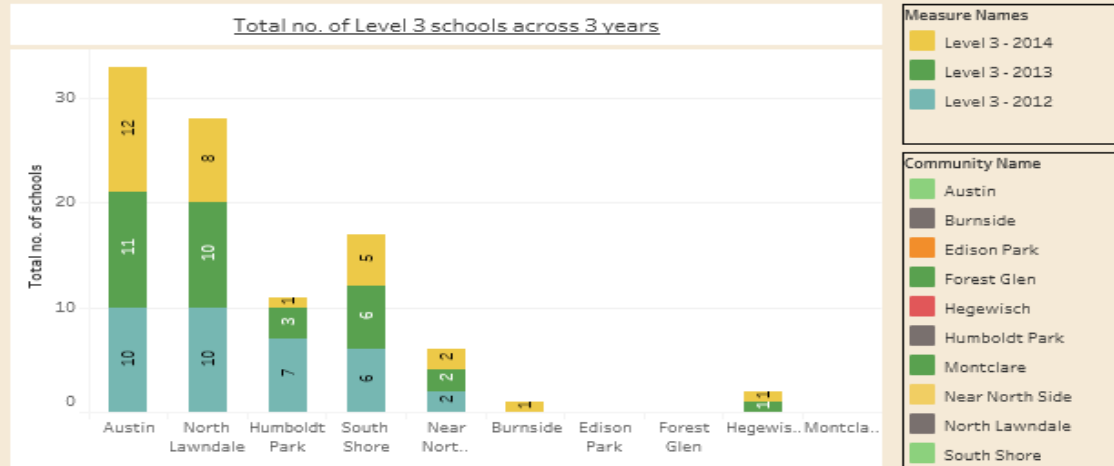
- More underperforming students are found in Black race among the most dangerous communities
- There is a strong correlation between key variables like safety, parent support, teacher supports which have a high positive impact on students education

[Tableau Link](#)

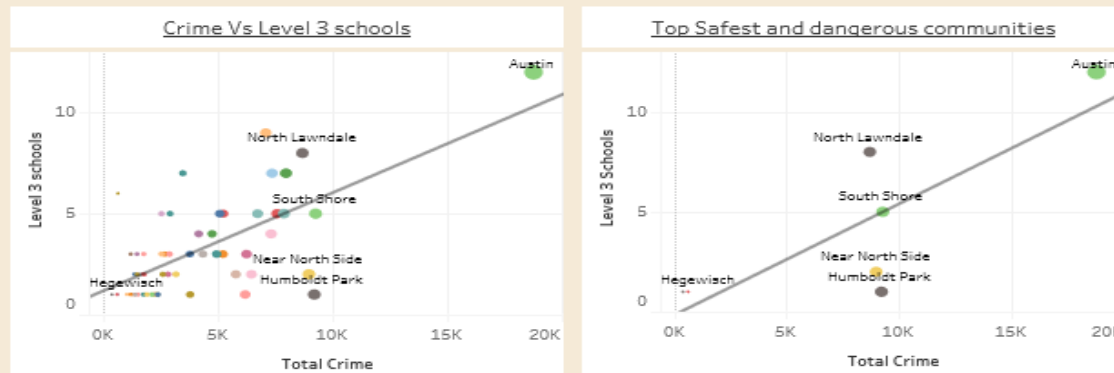
Dashboard 3: City Mayor

Crime Vs Education

Crime Vs Education across top 5 Safest & Dangerous communities



Total no. of Level 3 schools(low category) remains the same in the most dangerous communities over the three years between 2012-2014. Similarly the no of such schools in safest communities are almost negligible which explains there is a strong correlation between crime and education across communities which has low category Level 3 schools.



- The no. of Level 3 schools have remained the same in dangerous communities over the years, which indicates drastic reform measures are needed to improve the quality of education
- There is a positive correlation between crime and education and in the top 5 dangerous communities.

[Tableau Link](#)

Thank You

