

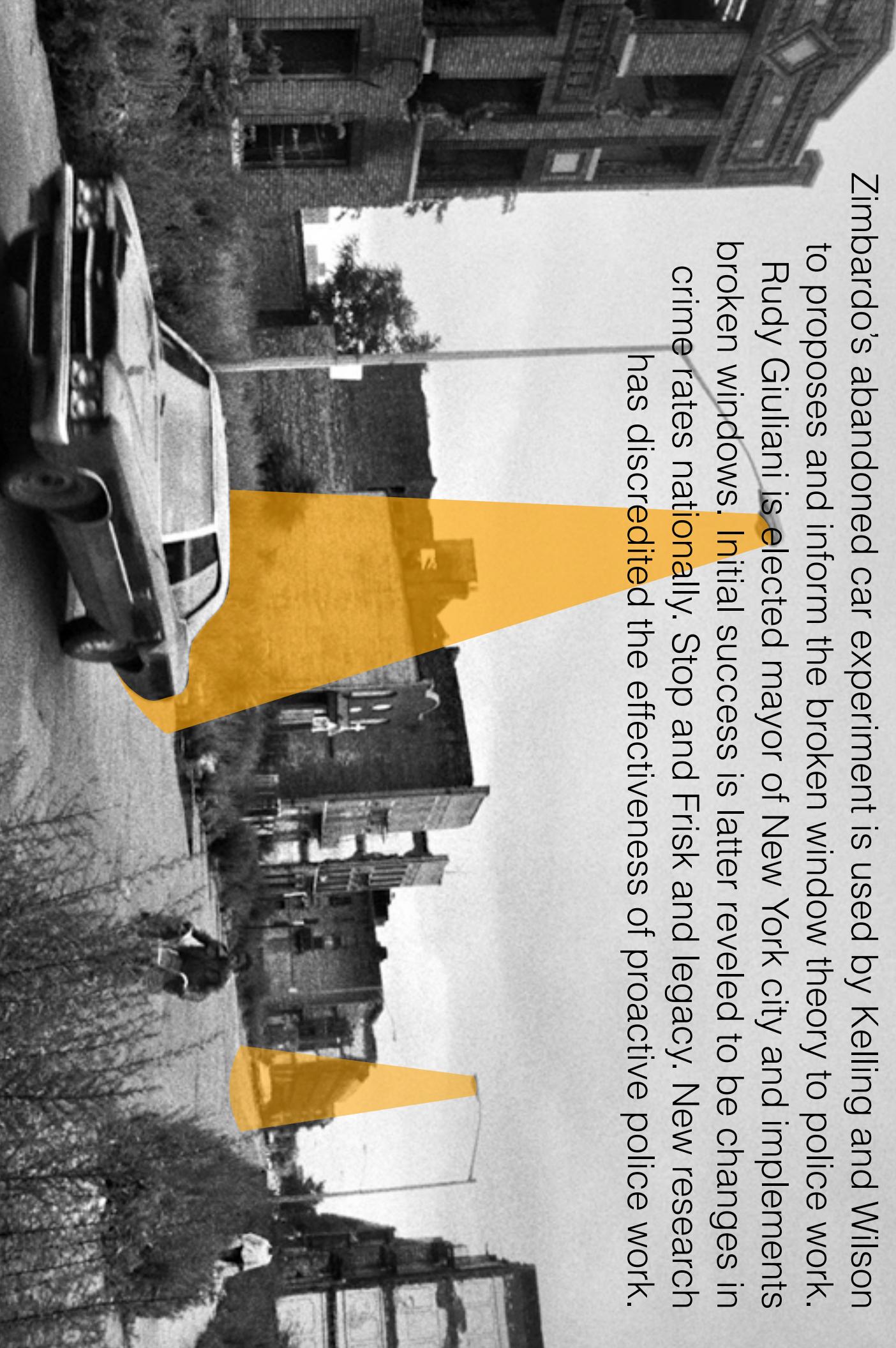
THE BROKEN WINDOW THEORY

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THE HISTORY OF THE THEORY

Zimbardo's abandoned car experiment is used by Kelling and Wilson to propose and inform the broken window theory to police work. Rudy Giuliani is elected mayor of New York City and implements broken windows. Initial success is latter revealed to be changes in crime rates nationally. Stop and Frisk and legacy. New research has discredited the effectiveness of proactive police work.

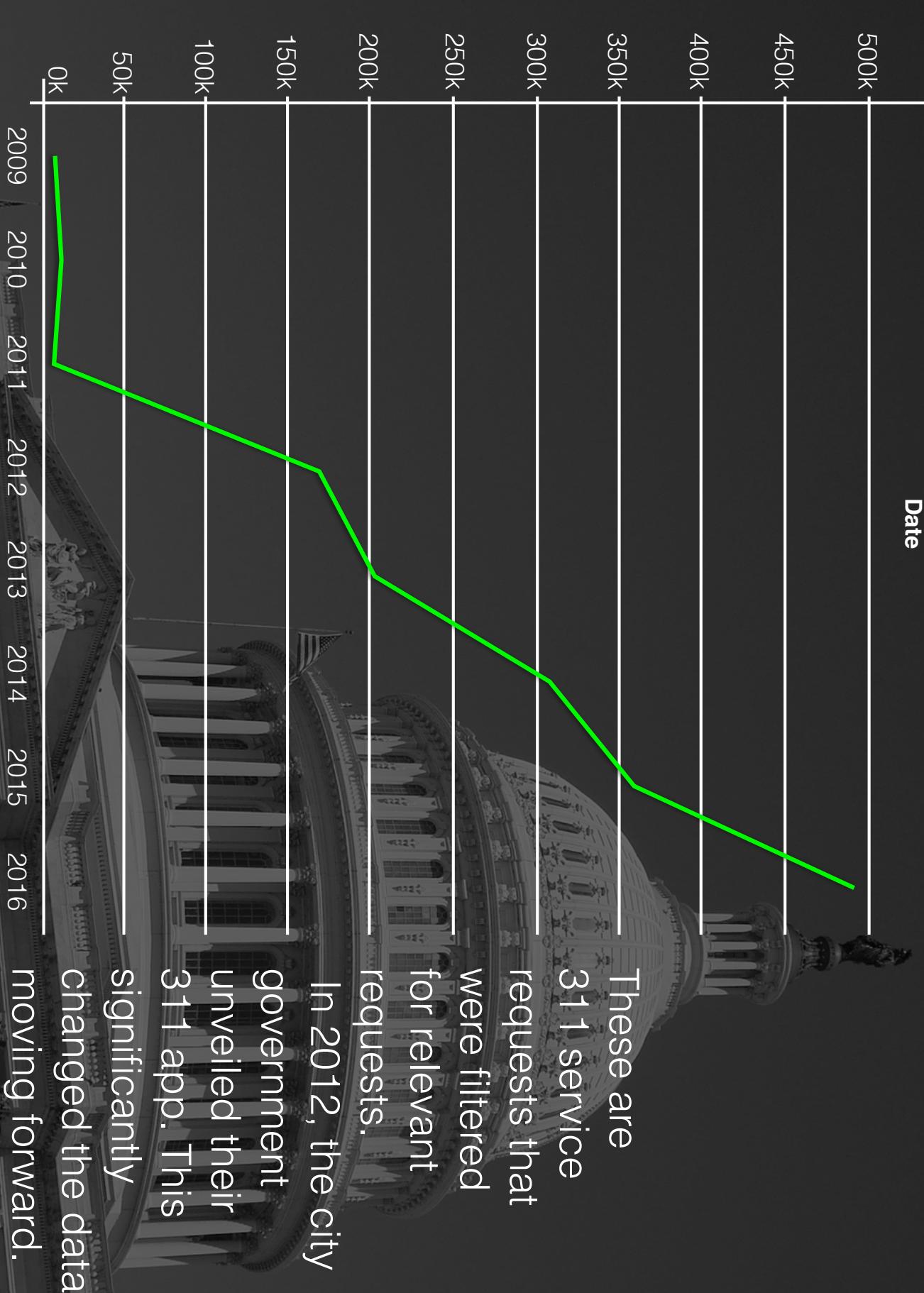


DC CRIME TOTALS BY WARD



Crime data was collected from Open Data DC. These are crimes logged by metro PD from 2009 to 2016. There was an even spread of crime over our densely populated areas and the lower income areas.

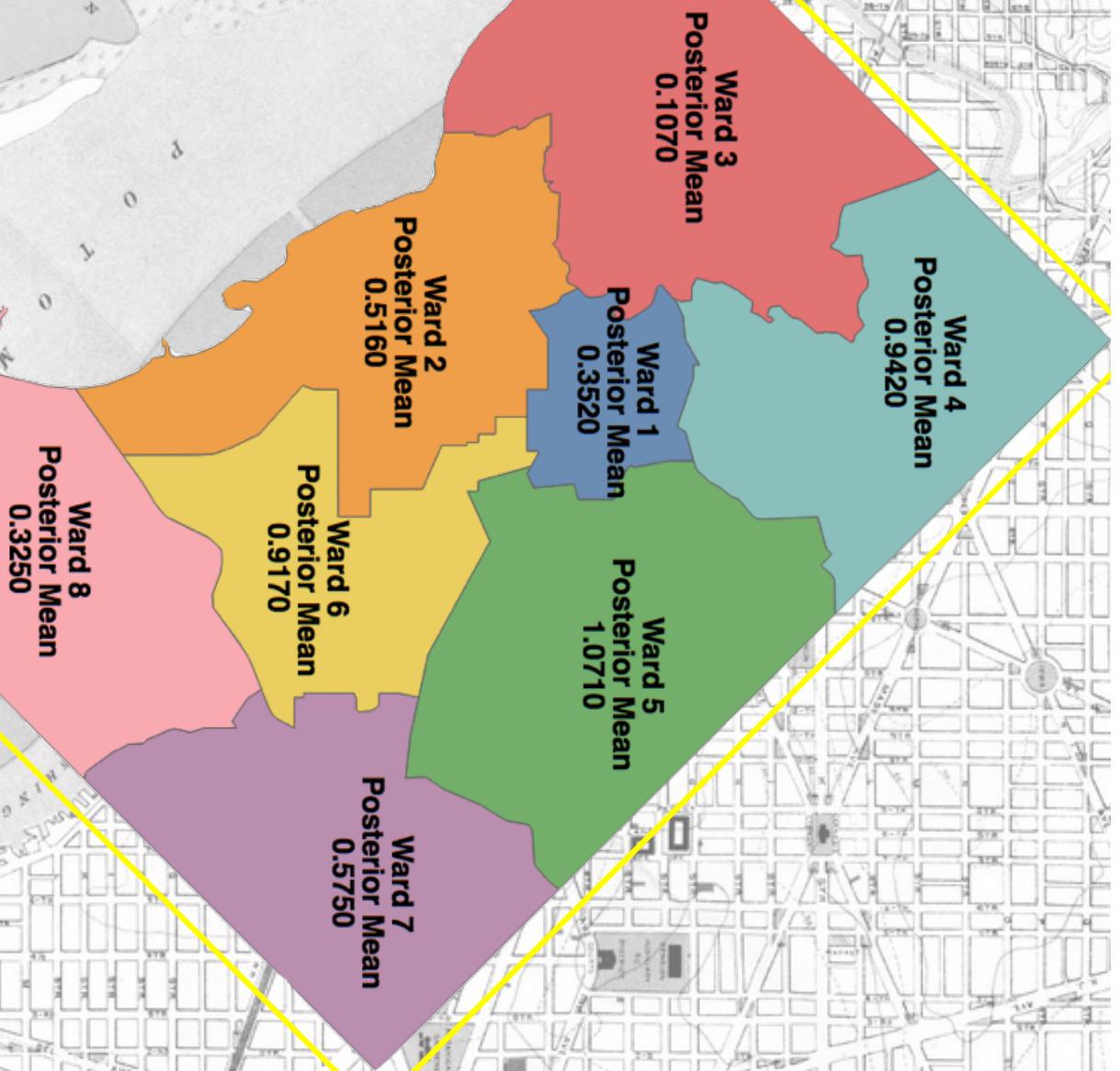
BROKEN WINDOW EVENTS BY YEAR



BAYESIAN REGRESSION

I determined how a 1 unit increase in broken windows effects crime. Features relevant to the observation needed to engineered. After accounting for the change after the introduction of the 311 app, models were made for each ward to compare their results. Most wards had a posterior mean of less than one, while wards 4, 5, and 6 were at or approaching 1. This maybe be due to shifting demographics.

IMPACT OF BROKEN WINDOWS ON DC CRIME



CONCLUSIONS

NATHAN'S
LOANS

UNREDEEMED PLEDGES FOR SALE

The introduction of the 311 app changed the way Broken Window events were reported. This theory has largely been discredited and the results of the modeling seem to support that.

However, this may not hold true for neighborhoods being gentrified. More research in additional cities would be worthwhile. Depending on survey data can be unreliable.

