Datafying Police Violence in America

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Issue & Background

- 1150 deaths per year in the US.

- Since August 2014, the issue of police officer-involved deaths has come under a national spotlight.

- Spurred a new push to use data to better understand and tackle issue

- White House Police Data Initiative partners with local PDs to generate clean data on police activities.

Objective

- The goal of this project is to identify relevant demographical factors and quantify their influence on the issue.

- Use those traits to find probability of incident occurring on a zip code level and identify zip codes with the highest risk.
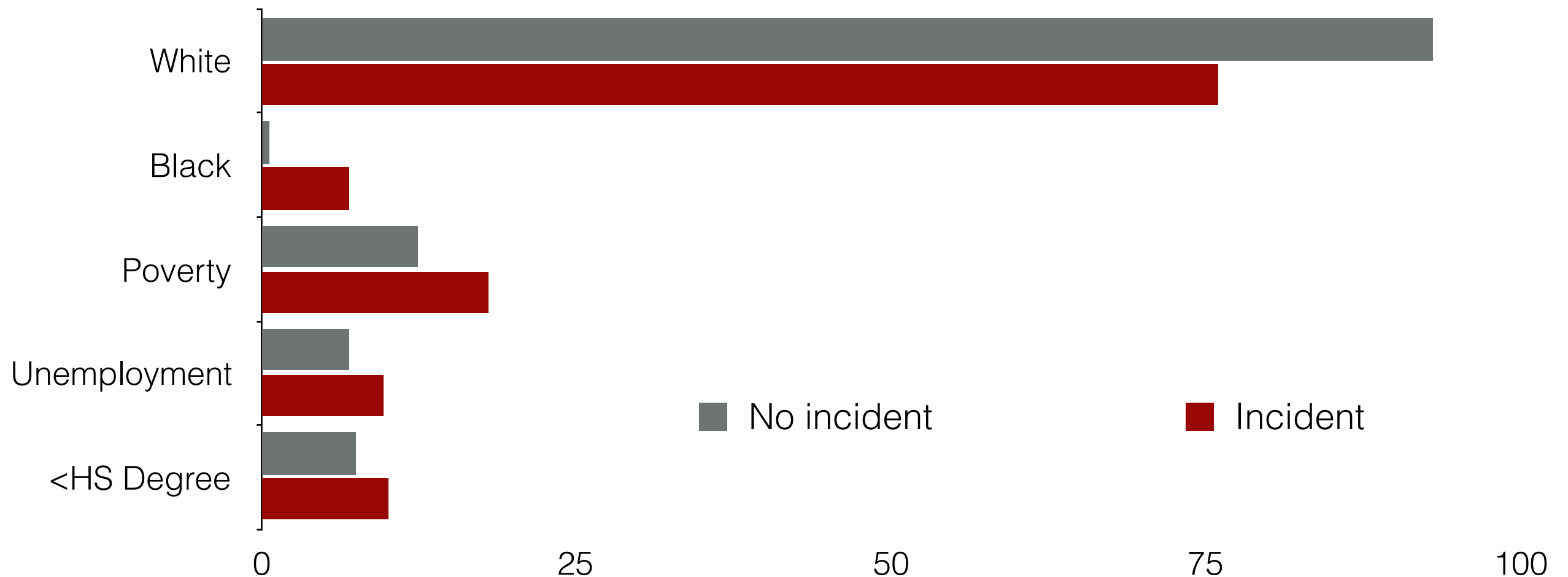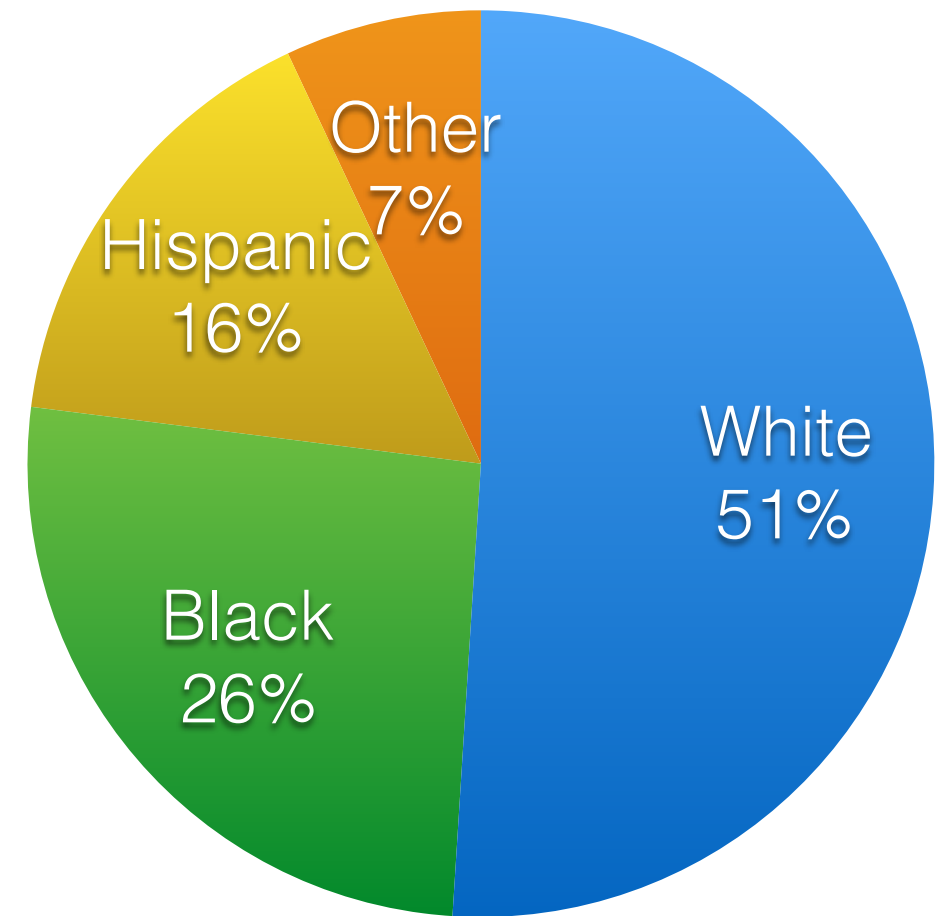
Data Preparation

Data Analysis

- In the 19 months since Sept 1, 2014, there have been 2010 incidents and in the 19 months before that there were 2035 incidents.

- Half of all incidents in the last three years have occurred in 11 counties.

Results

- For every standard deviation increase in the value of white share, the odds of an incident halved. Most influential feature.

Cities	White	<HS	Income	Poverty	Unemployment	**Probability**
Wheatley Heights, New York	17%	11.7%	$73800	11.3%	9.8%	**87%**
Nottawa, Michigan	89%	56%	$19500	35%	57%	**43%**

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