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- Common stat: Police action higher for minorities
 - African-Americans faced 42% of non-consented searches in San Francisco*
 - Black/Hispanic drivers asked to be searched 2x as much in Illinois*
 - Black/Hispanic drivers searched 4x as much in Chicago*
- Criticism: People argue minorities have lower SES & police action higher for lower SES (OVB!!!)
- Fix: Police action higher for minorities, <u>controlling</u> for other factors
 - Black drivers searched 2x as much in Ferguson, controlling for non-race based factors*

^{*}Stats from "What the data really says about police and racial bias" Vanity Fair

- Criticism: People argue minorities more likely to commit crimes, so should face more police action
 - "Statistical discrimination"
- Fix: Focus on "hit rates"

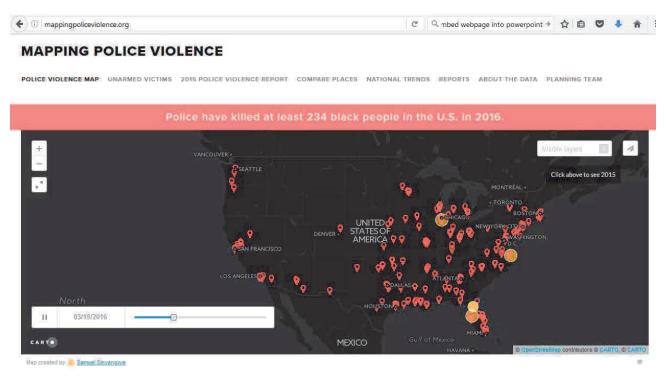
 - Conditional on being searched...Blacks/Hispanics had lowest rates of contraband discovered in San Francisco*
 - Black drivers found with contraband 26% less often in Ferguson*
 - Hispanic drives found with drugs less often in Maryland**
- Better yet: "Hits rates" that control for other factors!

*Stats from "What the data really says about police and racial bias" Vanity Fair ** Knowles, Persico, and Todd, Journal of Political Economy, 2010

- Let's apply this logic to deaths from police action
- Example: African-Americans are more likely to be shot by police
 - But what about OVB?
- Fix (add controls): African-Americans are 3.49 times more likely to be shot by police <u>when</u> <u>unarmed</u>*
 - But what about statistical discrimination?
- Fix (focus on hit rates): Conditional on dying from police action, how likely to be unarmed?

*Stats from "What the data really says about police and racial bias" Vanity Fair

Data source: http://mappingpoliceviolence.org/



- Thanks to Ruthie Hubbard (in Prof. Klibanoff's DECS class) for sharing the source!
- Pros: One of the few data sources available
 - F.B.I. director James Comey has described the lack of data as "embarrassing and ridiculous"
- · Cons: Incomplete data, potential bias in data gathering

- "Hit rate": Conditional on dying from police action, how likely to be unarmed?
- Regressed unarmed onto dummy variables for race
 - Blacks 11 percentage points more likely to be unarmed than whites in 2015 (p<0.001)
- Even when I <u>controlled for age, gender, criminal status, and showing symptoms of mental illness:</u>
 - Blacks 10.1 percentage points more likely to be unarmed than whites in 2015 (p=0.001)
 - 95th confidence interval 4.4 to 15.8 percentage points
- If they died from police action, blacks 53% more likely to be unarmed than whites, controlling for other factors
 - Rate was 45% when I just considered gunshot deaths