

DATA IS



bit.ly/data_is

Sources

Resources

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Code

The Madison Smith Presentation Series

?



What is “your data”?



?

Data

Data Collection

Artificial Intelligence,
Machine Learning

Data Practices

Data Visualization

Modeling/Prediction

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Collections of individual observations or units of information, consistent along certain variables

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Processes used by individuals or organizations to acquire data

Modeling/Prediction

Mathematical functions which are approximations of the patterns in data

Data Visualization

A visual representation of data

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Data Practices

Data Collection

Processes used by individuals or organizations to acquire data

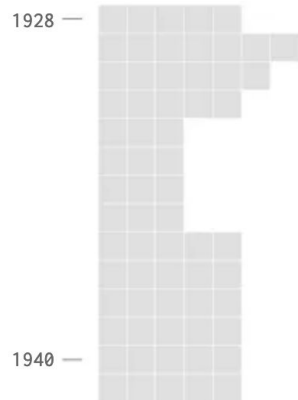
Data Visualization

A visual representation of data

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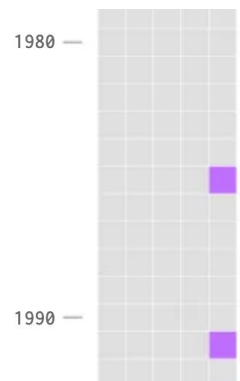
(Artificial Intelligence, Machine Learning)



ACADEMY AWARD NOMINATIONS FOR BEST DIRECTOR WHO WERE NOT WHITE OR A WOMAN

WHITE MAN NOT WHITE MAN

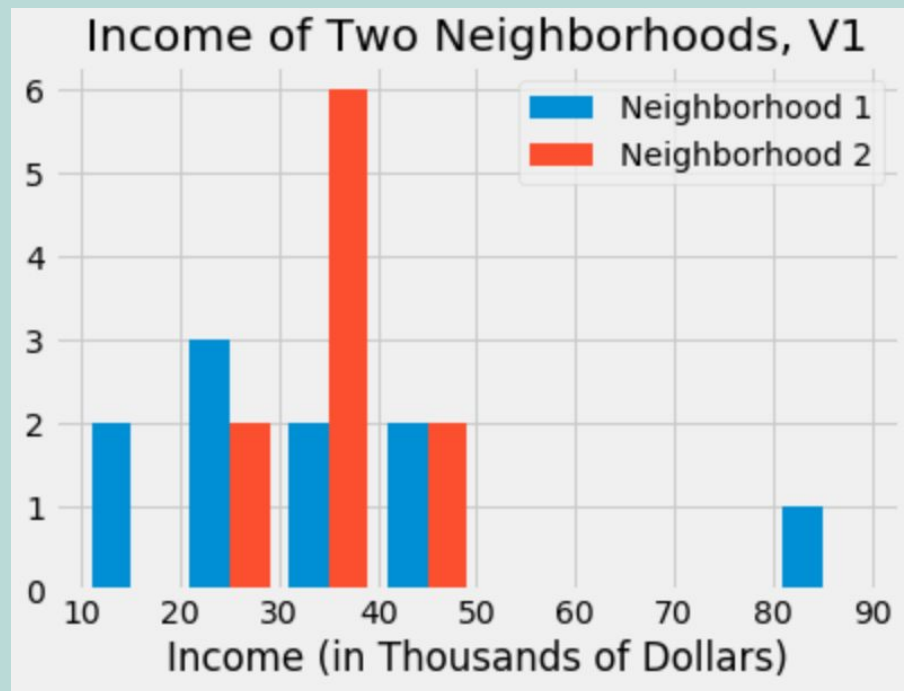
From 1928, the year of the first Academy Awards, to 2019, there have been 455 nominations for Best Director. Of those, 18 of them went to non-white men. Only 5 of them were women.



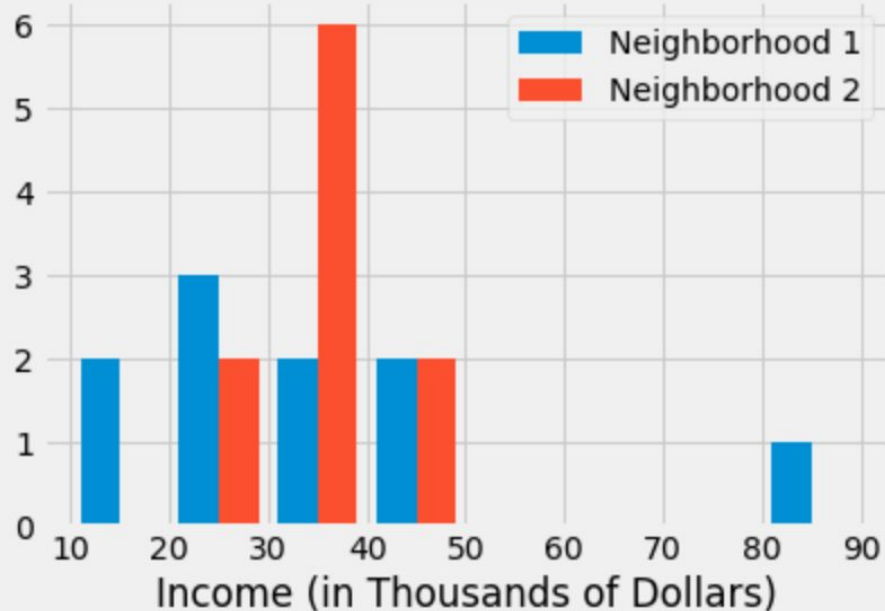
1985 – Akira Kurosawa, *Ran*

1991 – John Singleton, *Boyz n the Hood*

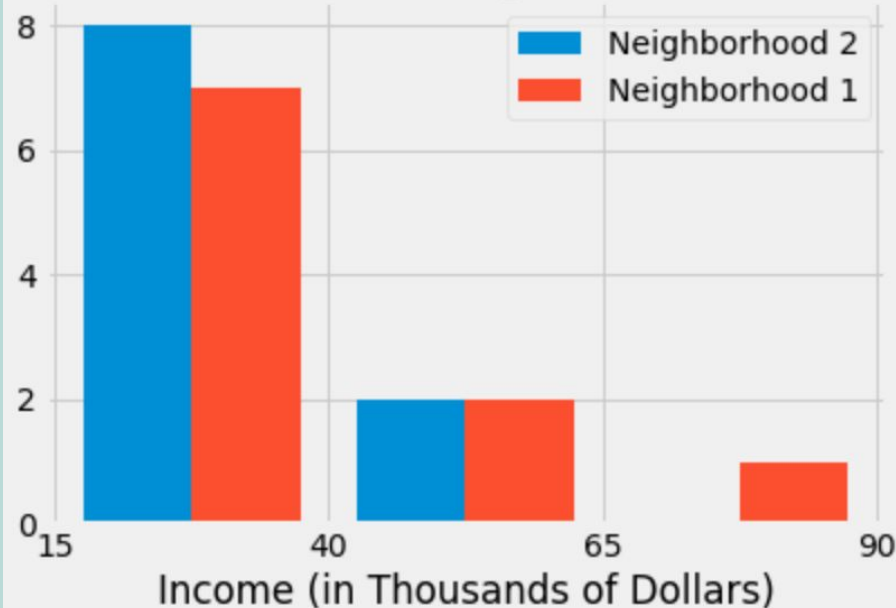
Neighborhood 1	Neighborhood 2
27,100	32,210
17,230	41,350
15,600	45,030
48,150	29,220
22,175	28,150
83,210	34,340
32,700	35,780
23,250	36,210
48,080	35,040
33,220	32,710

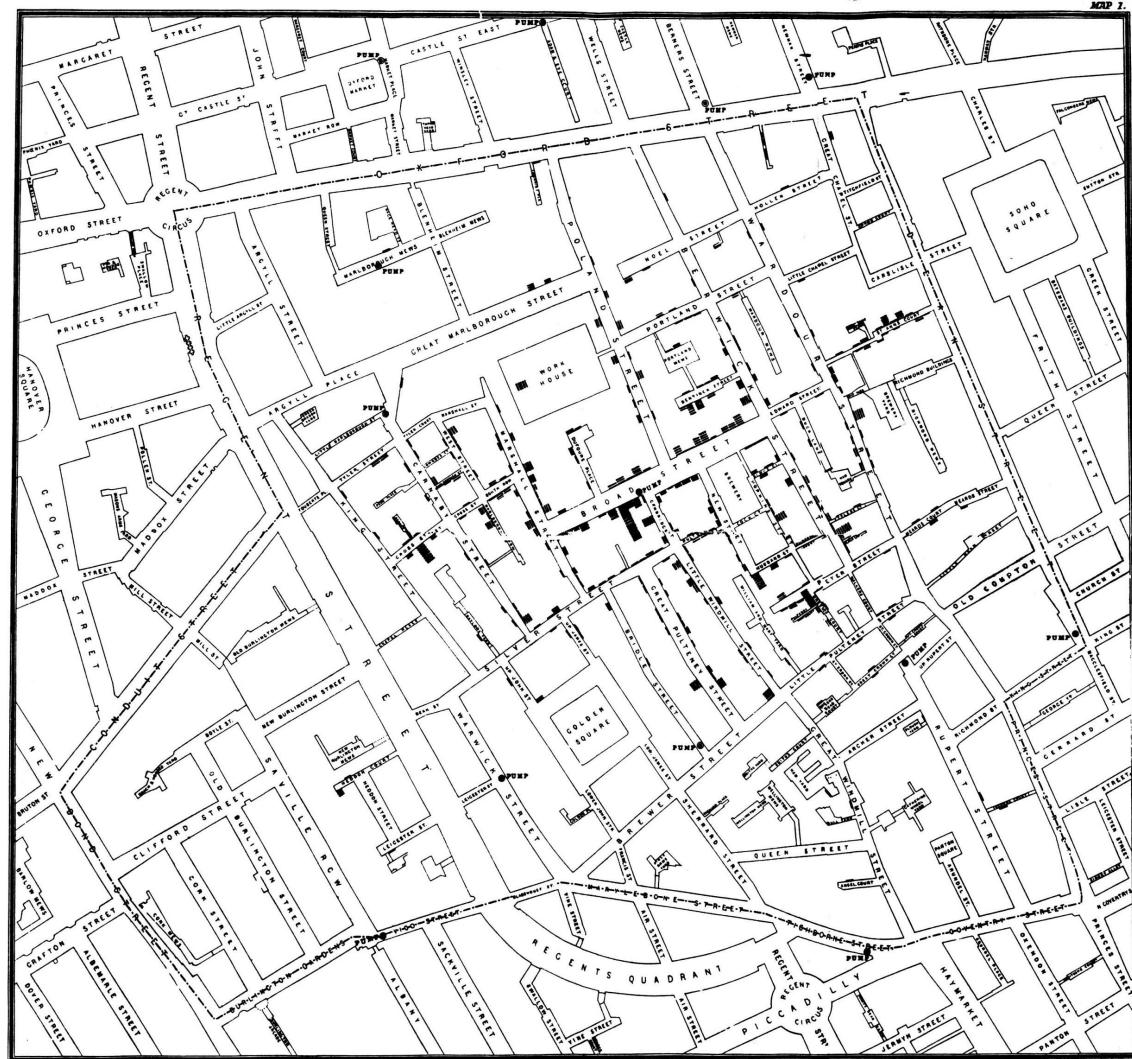


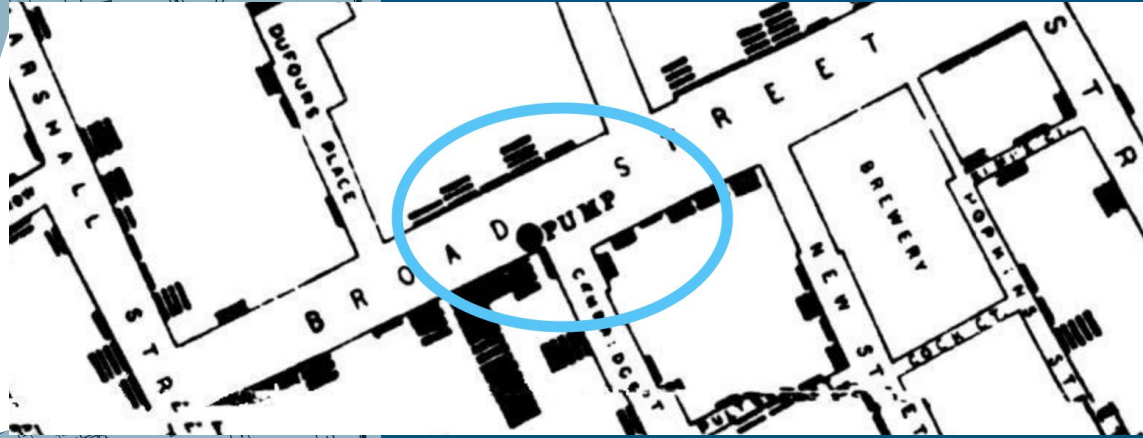
Income of Two Neighborhoods, V1



Income of Two Neighborhoods, V2

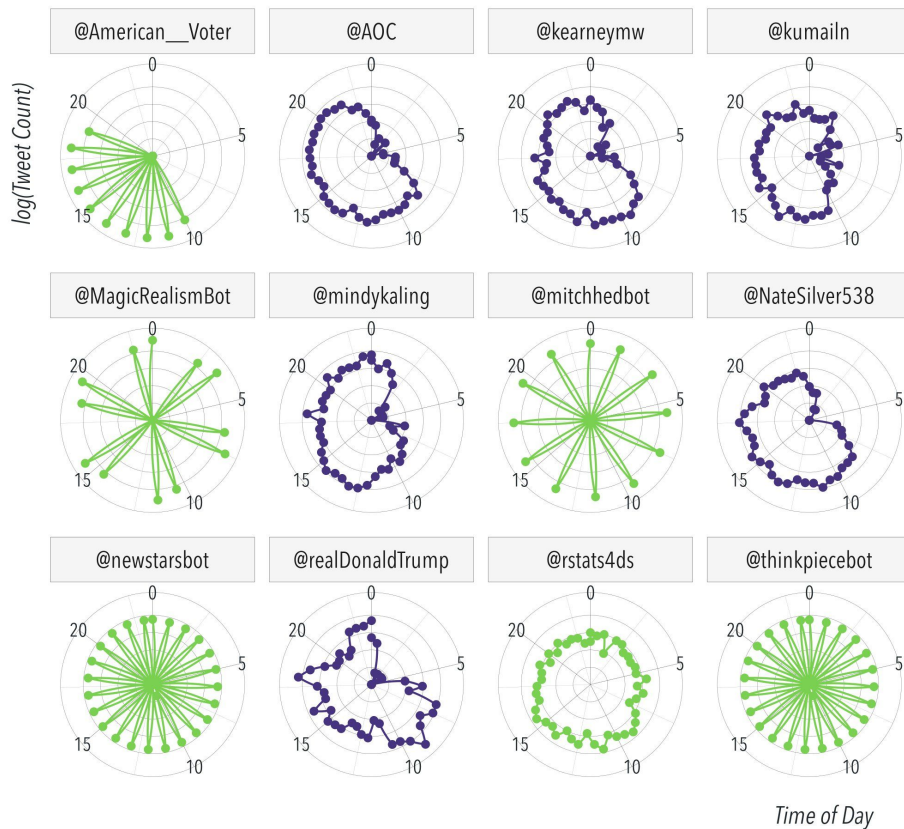






Is it a TweetBot or Not?

Tweet frequency of accounts by time of day



Words a School Uses in Narrative Comments

BOY WORDS (times more common)		GIRL WORDS (times more common)	
submit	14.7x	woman	20.3x
computer	8x	revising	16.3x
submissions	6x	formal	7.1x
improvements	5.5x	openness	7.1x
board	4.5x	figure	4.7x
significance	3.8x	bones	4.4x
speaks	3.7x	motivations	4.4x
humor	3.7x	beautiful	4.1x
creativity	3.7x	path	3.9x
natured	3.7x	powerful	3.7x
genuine	3.4x	wide	3.7x
involved	3.3x	persistence	3.5x
projects	3.2x	conte	3.5x
speech	3.1x	salvage	3.5x
closer	3.1x	seeks	3.5x

Black people in California are stopped far more often by police, major study proves



“People usually use data against us,” he added. “Now is the time to use it in the people’s interests.”





Data

Feminism

***Catherine D'Ignazio and
Lauren F. Klein***

The lack of data about maternal health outcomes, and its impact on matters of life and death, underscores how it is **people** who end up affected by the choices we make in our practices of data collection, analysis, and communication. More than that, it's almost always the bodies of those who have been disempowered by forces they cannot control, such as sexism, racism, or classism—or, more likely, the intersection of all three—who experience the most severe consequences of these choices.

ephemerality of videos and photos users send to one another. Users may not be aware of the sort of data that Snapchat can store, however. In 2014, the **Federal Trade Commission fined Snapchat** for failing to disclose that the company collected, stored, and transmitted geolocation data.



help with customer reports, comply with laws, and to enforce the network's terms and policies, employees have used data access processes for illegitimate reasons to spy on users, according to two former employees.



Adam Ferriss

The Secretive Company That Might End Privacy as We Know It

A little-known start-up helps law enforcement match photos of unknown people to their online images — and “might lead to a dystopian future or something,” a backer says.



Facial recognition: It's time for action

Dec 6, 2018 | [Brad Smith - President](#)



As a company, Microsoft has brought four lawsuits against the U.S. government since 2013 to protect people's privacy rights in an era when new technology can enable mass surveillance. We repeatedly have sought to preserve longstanding protections – and in our view timeless values – that are embodied in the First and Fourth Amendments to the Constitution. From our vantage point, it's important to act before an excessive use of





“How do you sustain a business model in which users don’t pay for your service?” Sen. Orrin Hatch (R-UT) asked Zuckerberg early on in the hearing.

“Senator, we run ads,” Zuckerberg replied.



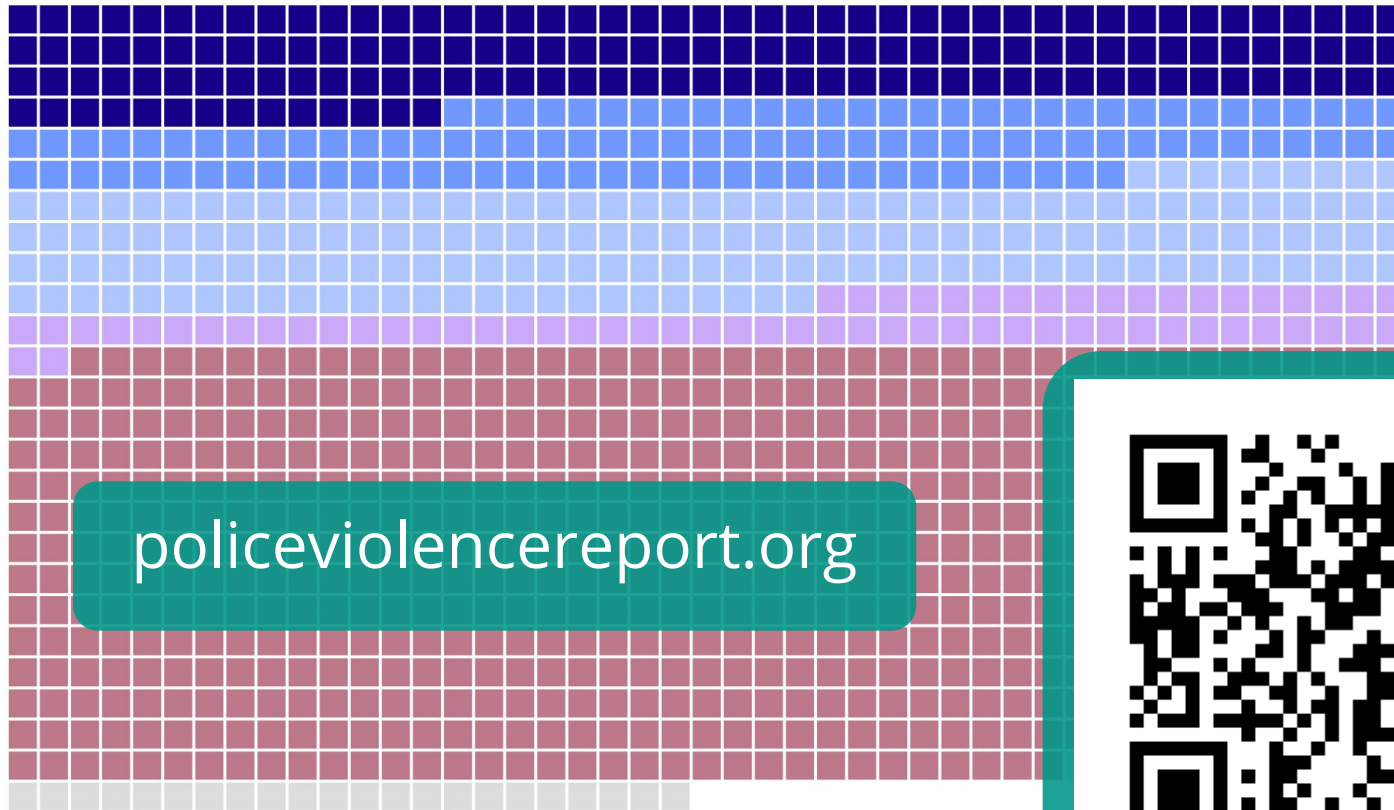
Is a crime scene gang-related? A new computer program may have the answer. ISTOCK.COM/DENISTANGNEYJR

Artificial intelligence could identify gang crimes—and ignite an ethical firestorm

By M
NEW
blog

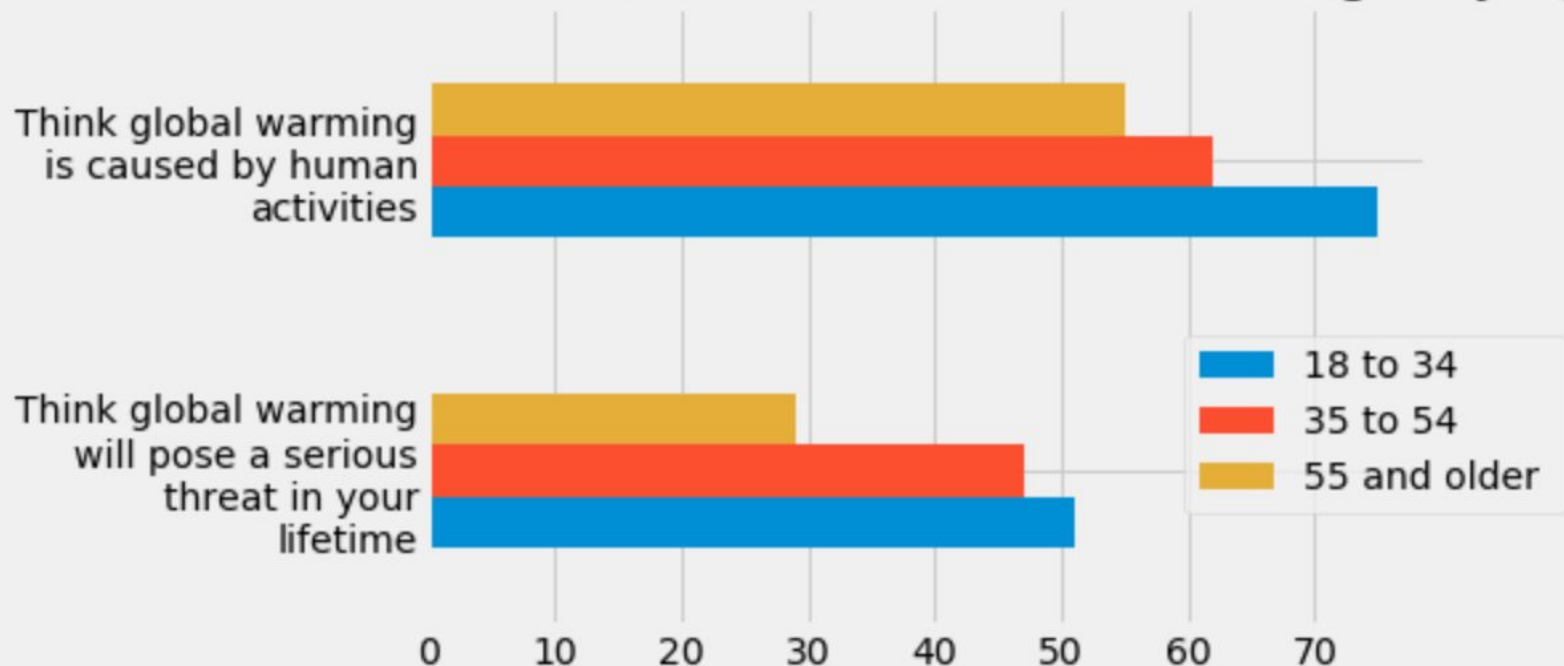
responded that he couldn't be sure how the new tool would be used. "I'm just an engineer," he said. Lemoine quoted a lyric from a song about the wartime rocket scientist Wernher von Braun, in a heavy German accent: "Once the rockets are up, who cares where they come down?" Then he angrily walked out.

149 people killed by police were **unarmed**.



■ Unarmed (149) ■ Vehicle (112) ■ Knife/sharp object (170) ■ Other object (66)
■ Gun (617) ■ Undetermined (33)

Americans' Attitudes about Climate Change, by Age



Data is.

Individuals

Expect privacy
Use data
Educate yourself

Government

Open data
Protect *people*
Prepare legislators

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Organizations

Models for Action
Transparency
Privacy is default

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Data for Justice Symposium
March 28, 2020

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