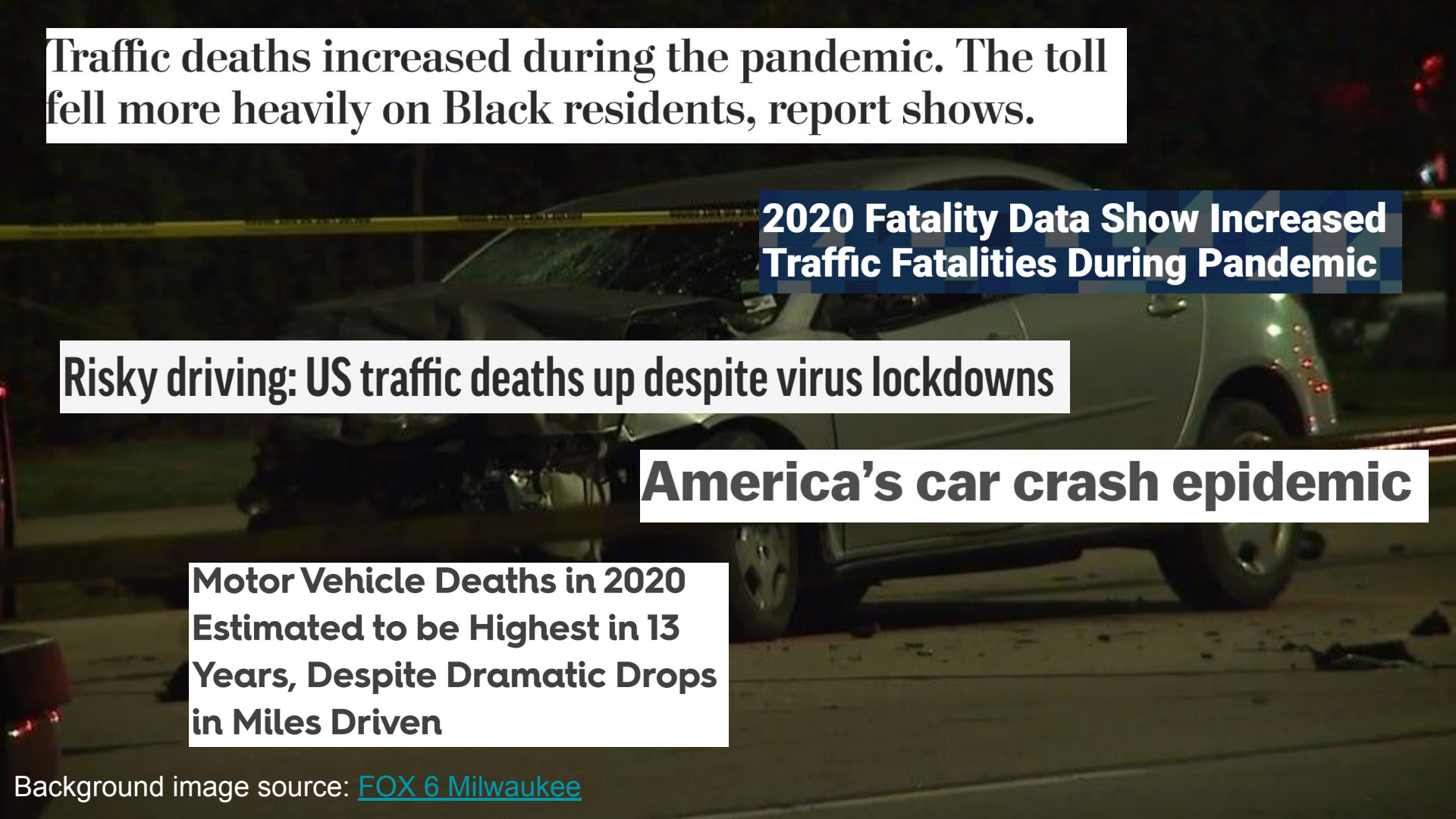
Background image source: Wisconsin DOT via PBS Wisconsin

COVID-19 and Traffic Accidents in Milwaukee

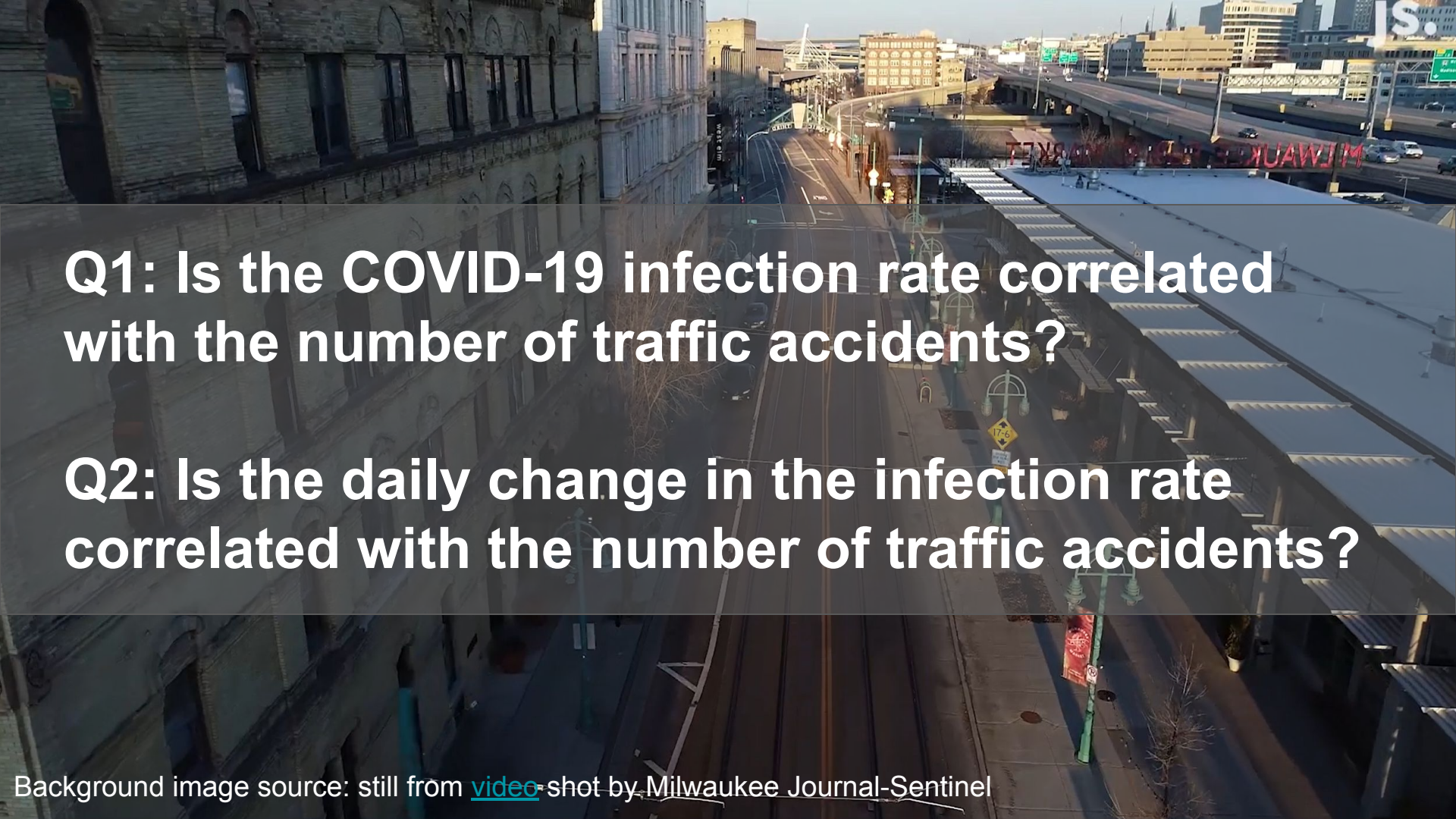
Patrick Peng - DATA 512 Autumn 2021

COVID-19 lockdown orders caused traffic on usually busy streets to plummet

Background image source: still from video shot by Milwaukee Journal-Sentinel



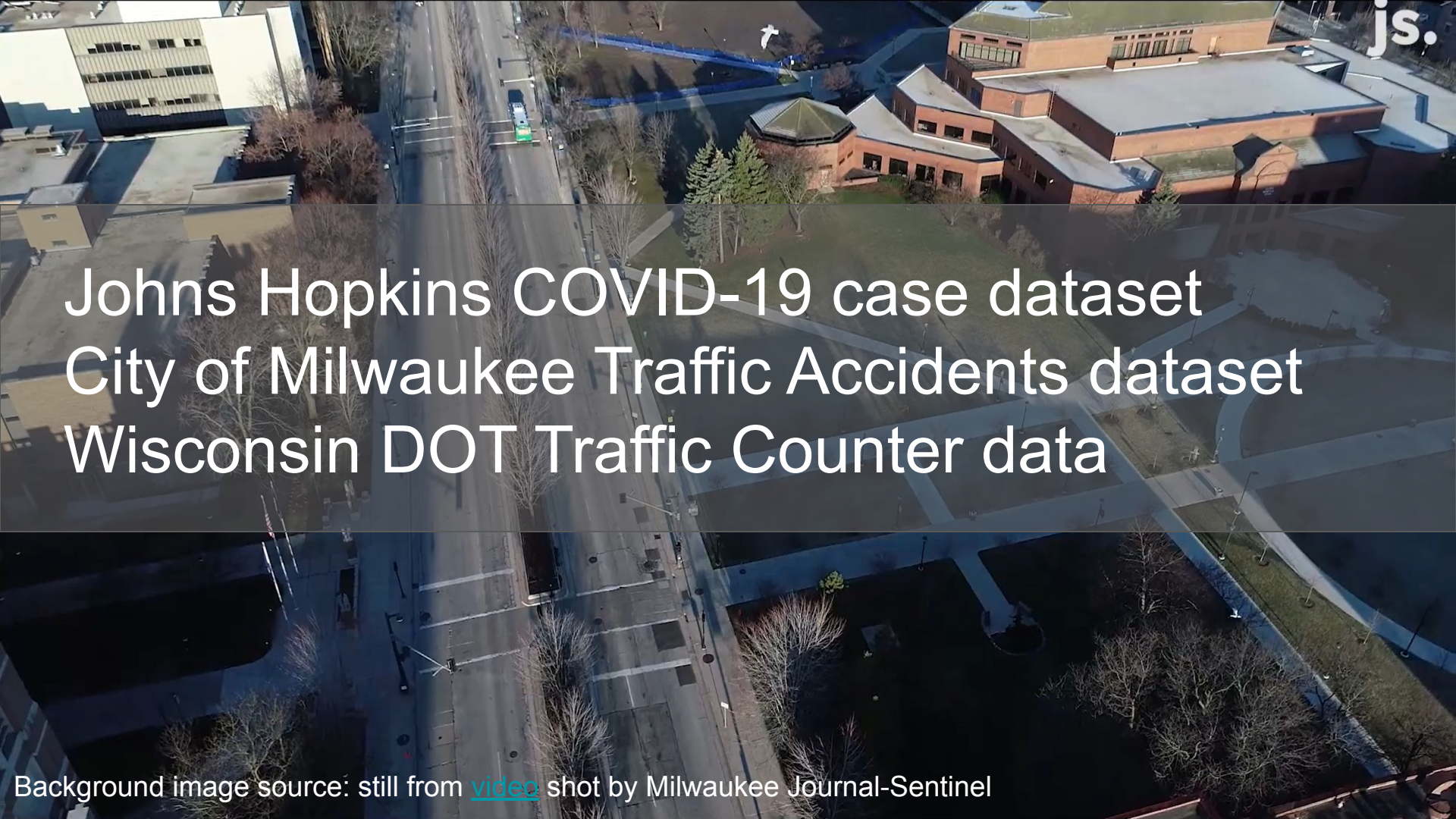
Background image source: FOX 6 Milwaukee



Q1: Is the COVID-19 infection rate correlated with the number of traffic accidents?

Q2: Is the daily change in the infection rate correlated with the number of traffic accidents?

Background image source: still from video shot by Milwaukee Journal-Sentinel



Johns Hopkins COVID-19 case dataset
City of Milwaukee Traffic Accidents dataset
Wisconsin DOT Traffic Counter data

Background image source: still from video shot by Milwaukee Journal-Sentinel

East-West Fwy
Milwaukee, Wisconsin
Google
Street View - Aug 2021

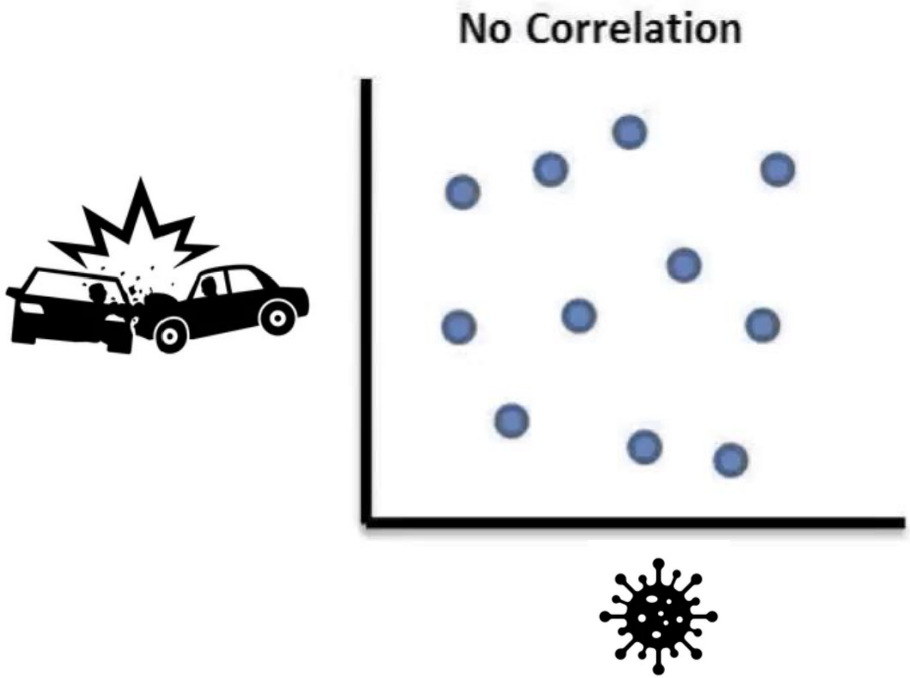
Downtown Milwaukee

Expand

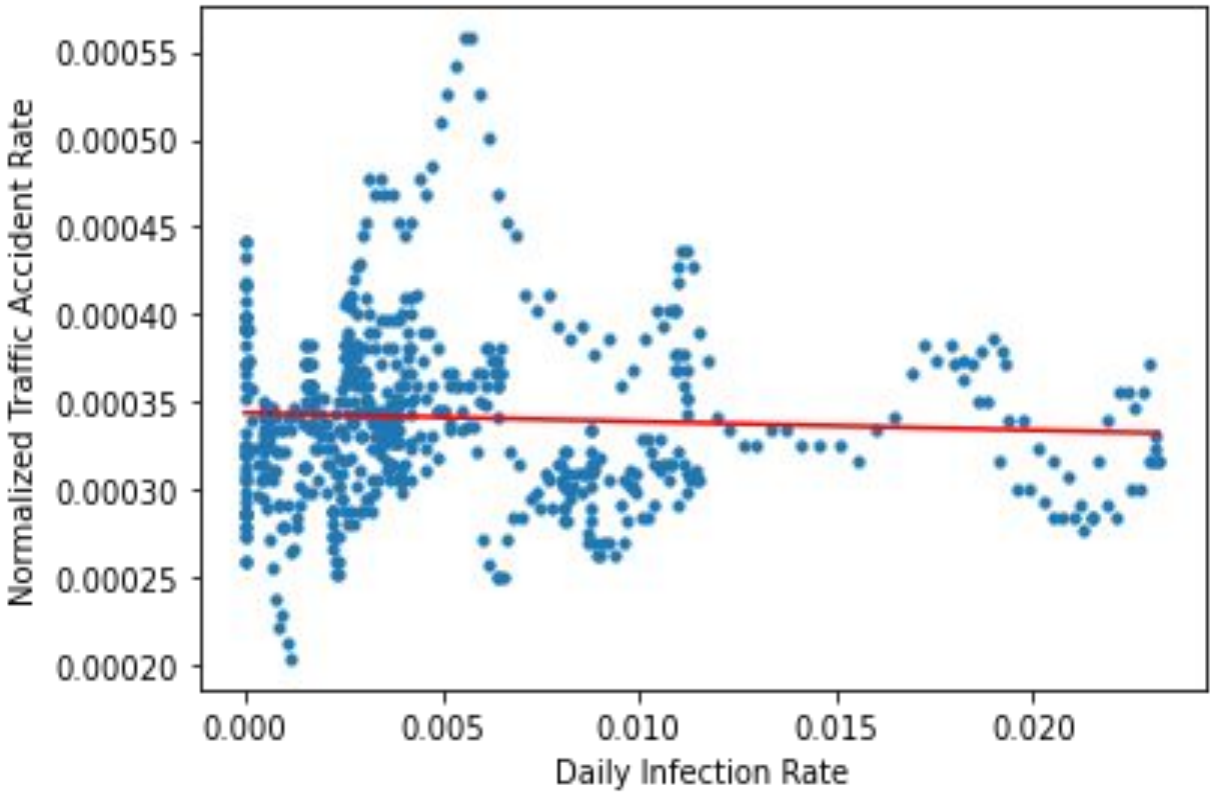
Background image source: Google Maps Street View

Image capture: Aug 2021 © 2021 Google United States Terms Privacy Report a problem

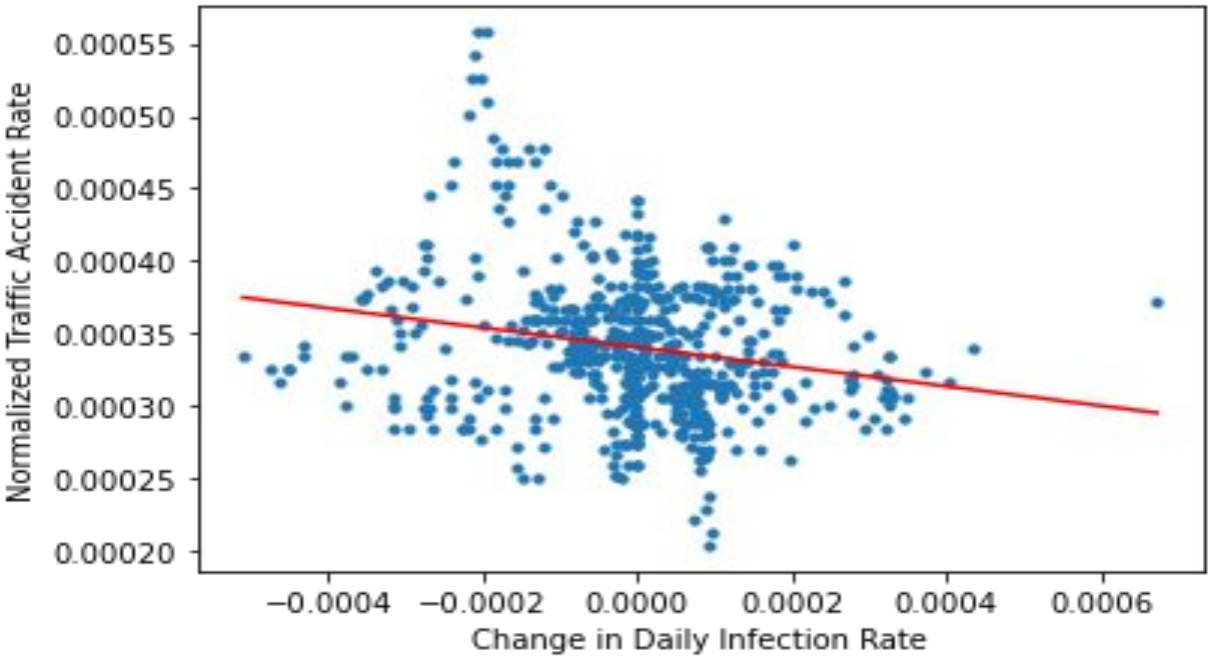
statsmodels



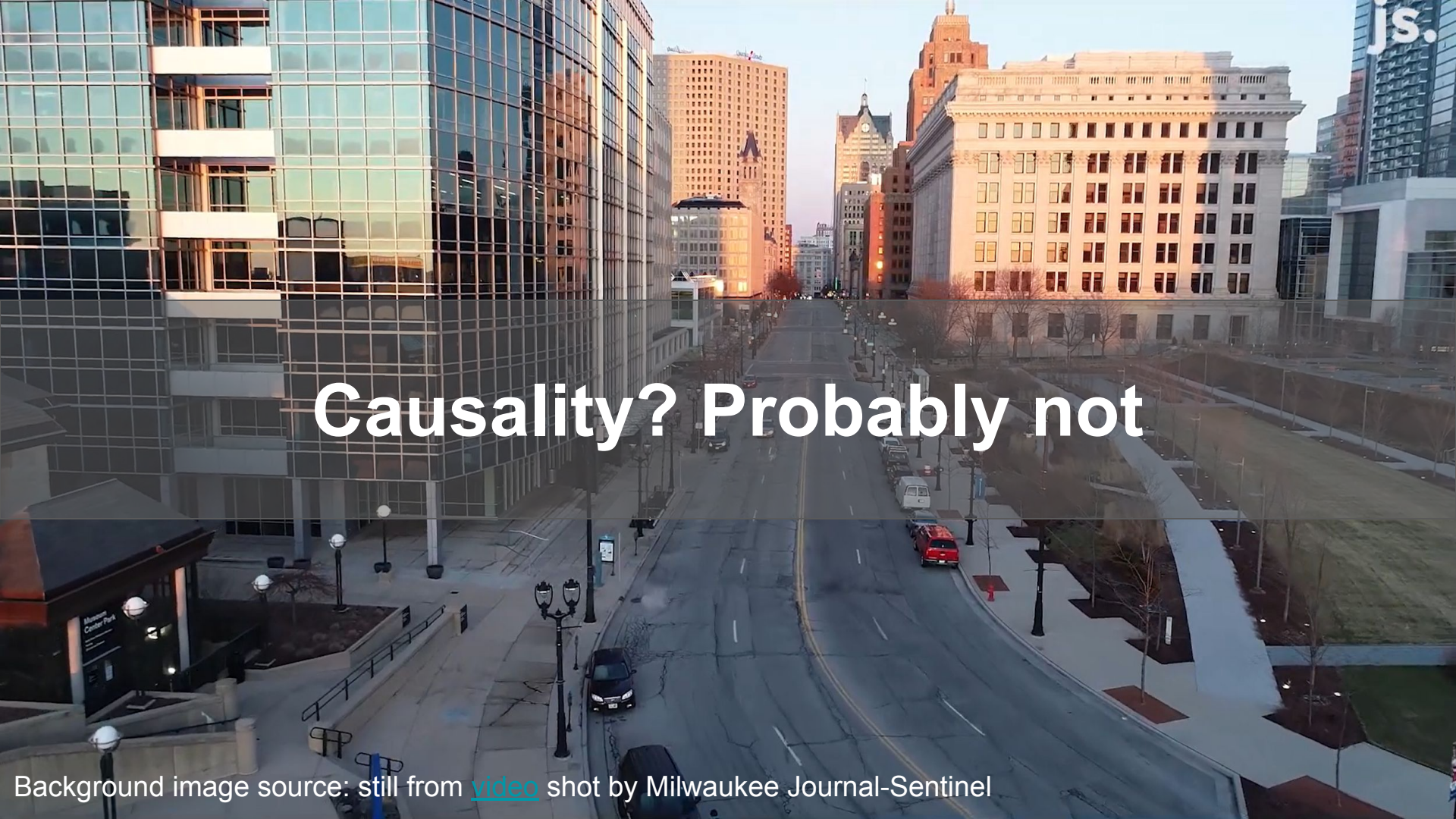
Clip art source: Shutterstock



No correlation



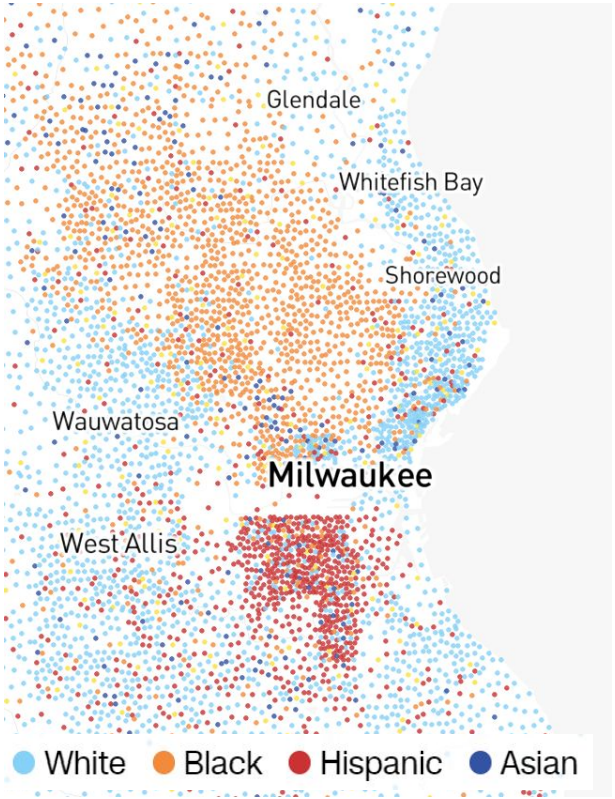
Rising infection rate ~ lower rate of traffic accidents



Causality? Probably not

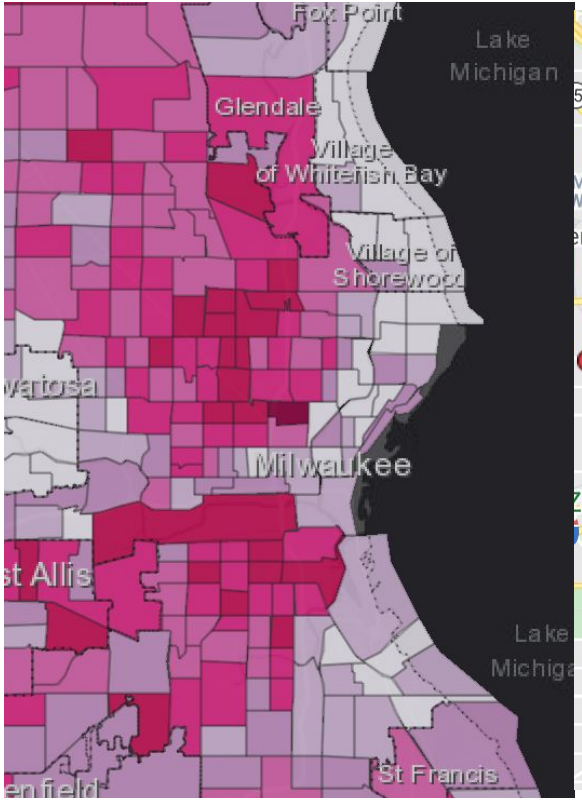
Background image source: still from video shot by Milwaukee Journal-Sentinel

There’s only one kind of map



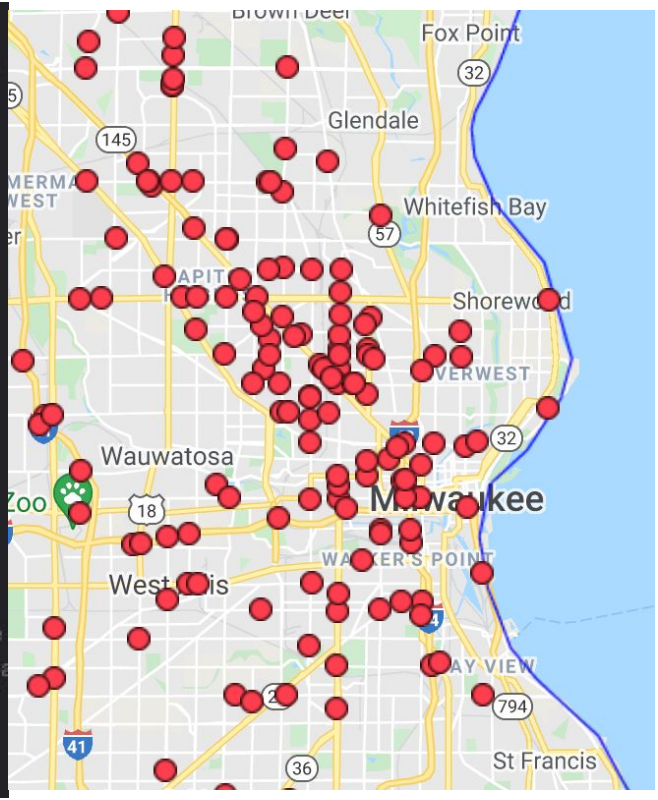
Racial Demographics

From CNN’s 2020 census racial dot map



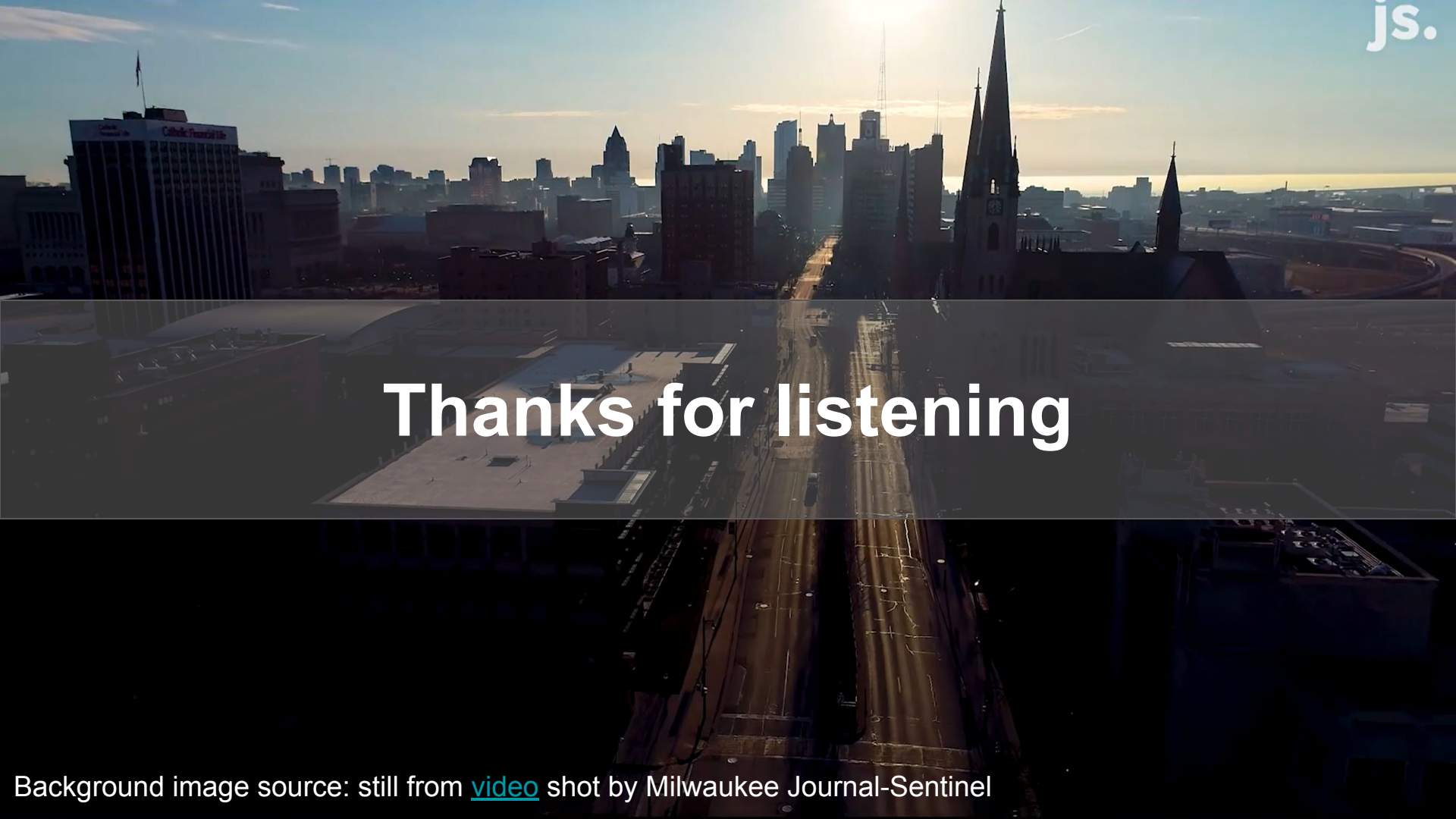
COVID-19 Hospitalizations

From Milwaukee County COVID-19 Dashboard



Traffic Fatalities

From Wisconsin DOT interactive crash map



Background image source: still from video shot by Milwaukee Journal-Sentinel