



Consumer Acceptance on the Road to Autonomy

Jennifer Ryan AAA June 12, 2018







Driving consumer acceptance of automated technology



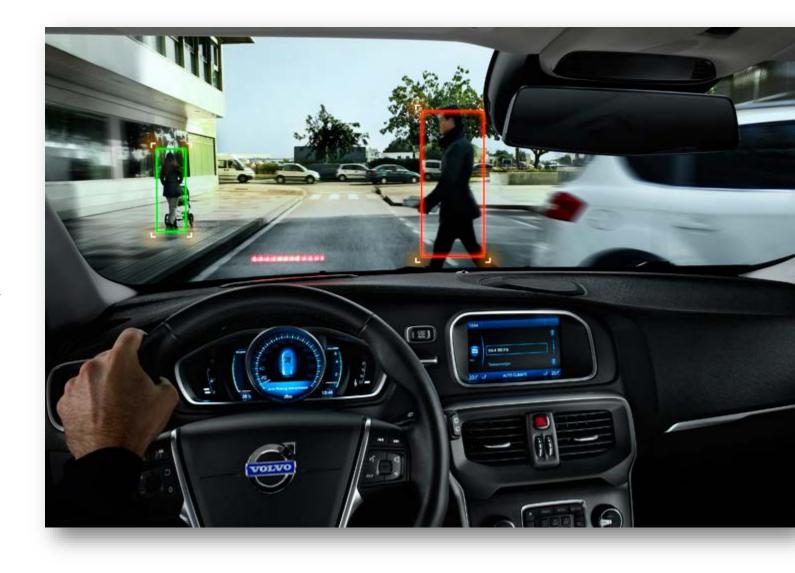


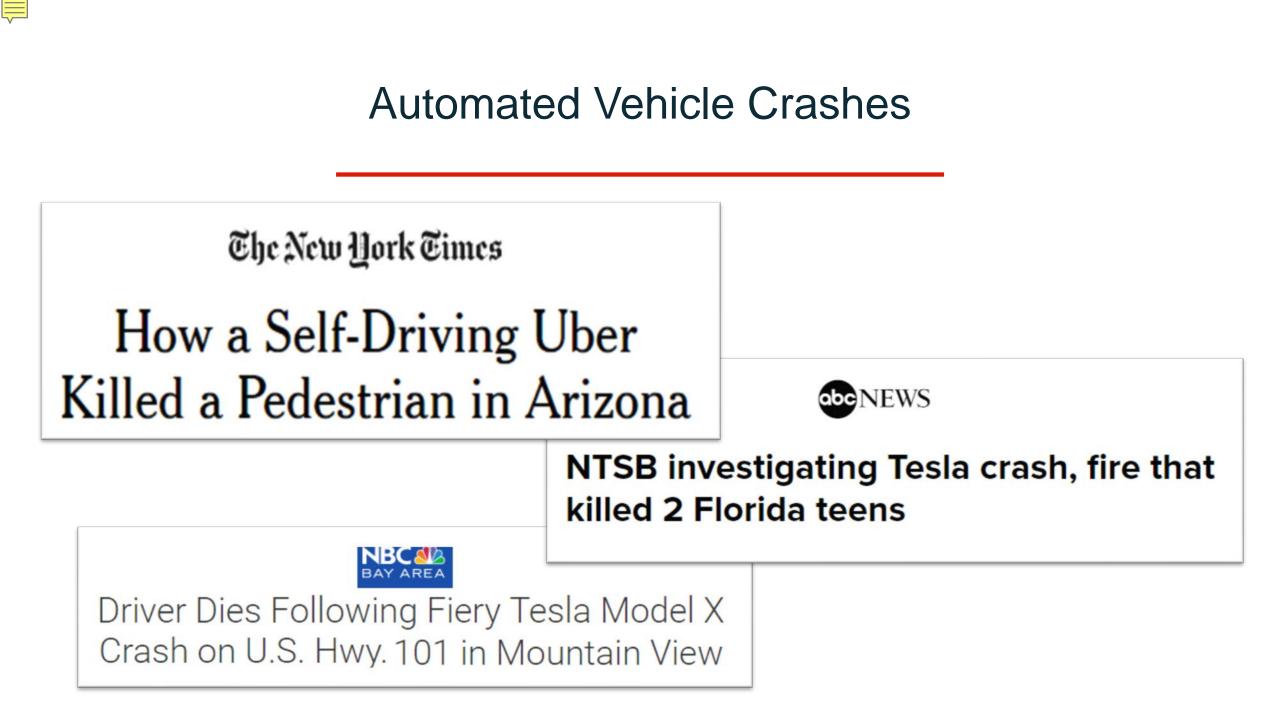


In Dec. 2017, 63% of U.S. drivers would be afraid to ride in a fully self-driving vehicle, down from 78% in early 2017



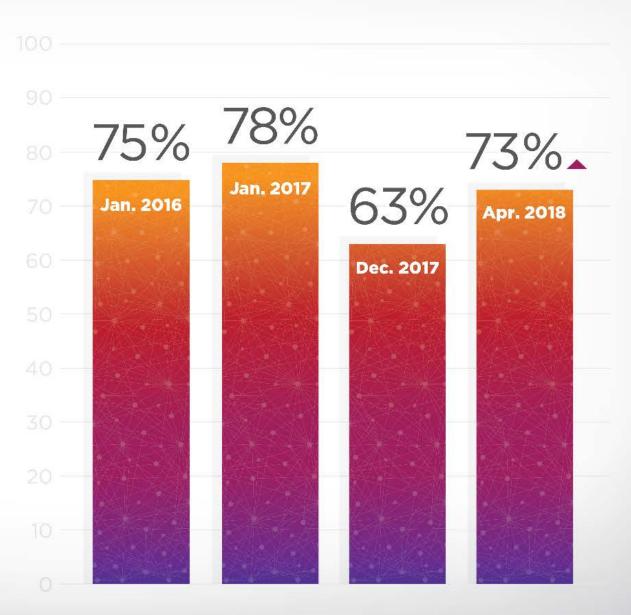
Drivers who own vehicles equipped with driver assistance features are more likely to trust the technology





Percentage of U.S. drivers that would be afraid to ride in a fully self-driving vehicle

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Difference between 2016 and 2017 not statistically significant.

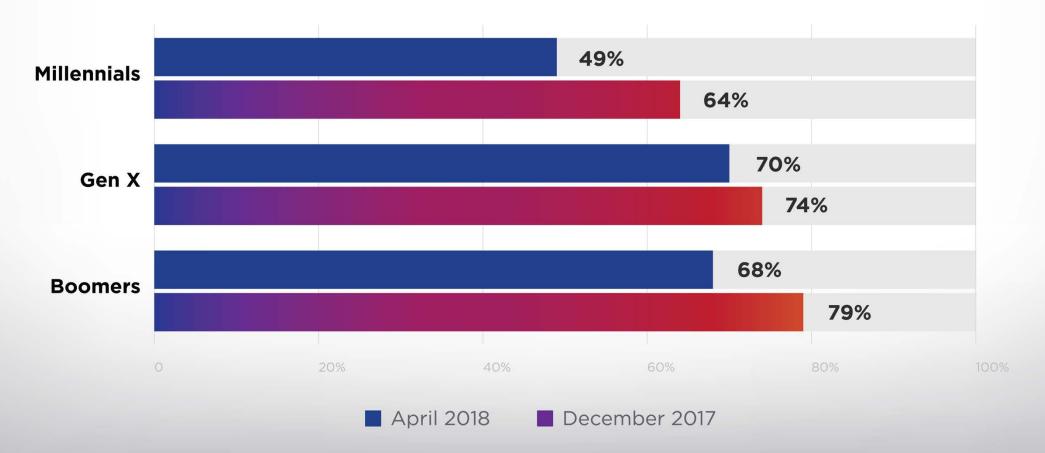
Gender Differences -Percent Afraid to Ride in Self-Driving Car

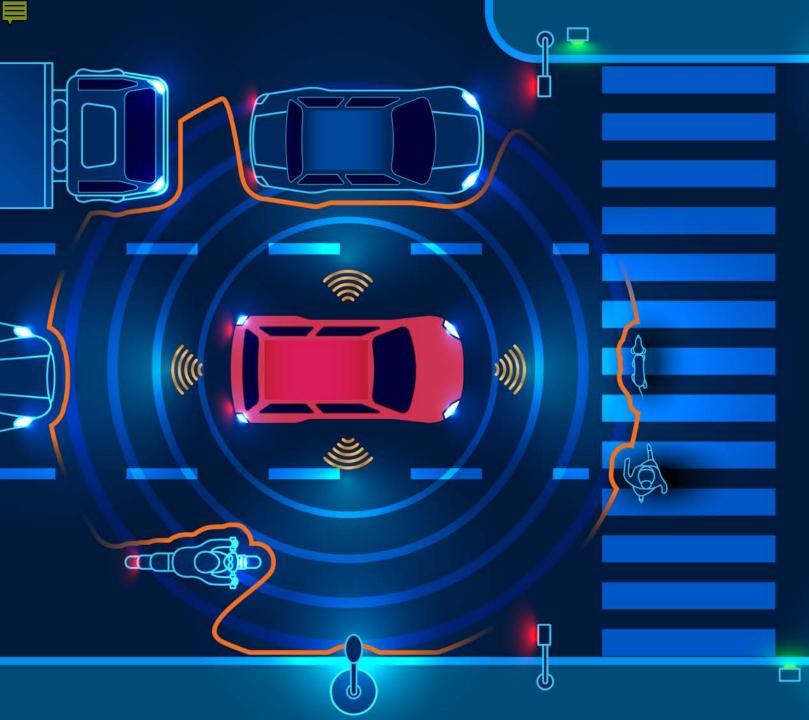
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Generational Differences

Share of U.S. drivers afraid to ride in a fully self-driving car by generation



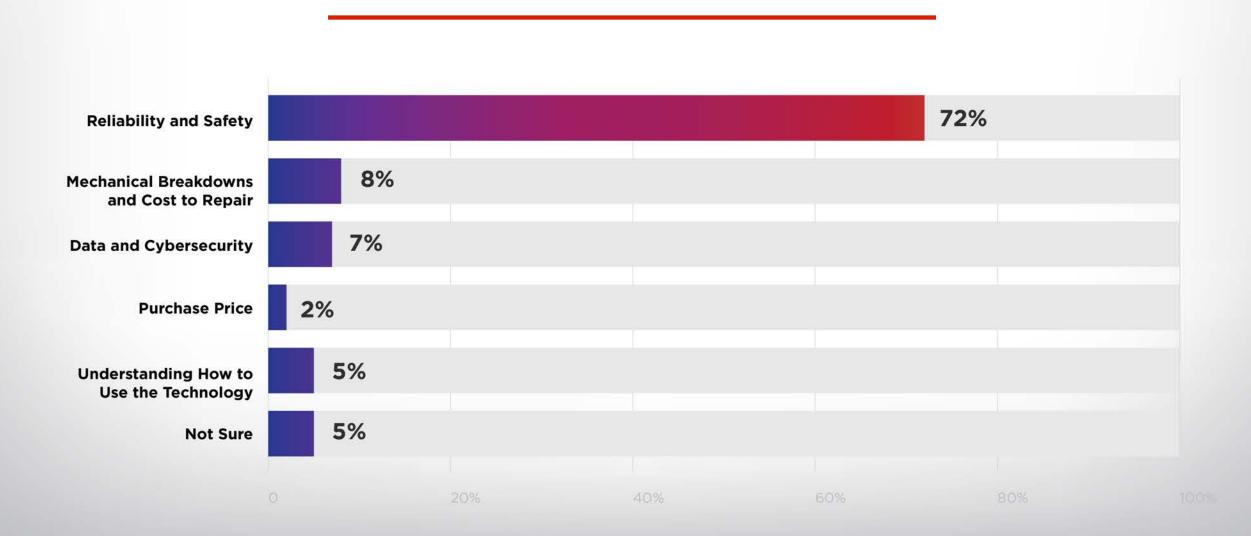


Sharing the Road

The survey showed that **63%** of respondents would feel less safe sharing the road with fully self-driving cars while walking or riding a bike.



Greatest Concern About AVs



Education can play a key role in easing fears.

FROM OUR CEO

What Happens to Saf **Begins Driving You?**

AA has been at the forefront of the nation's love affair with the automobile for more than a century. From those early days of notsy motorized contraptions competing with horse-drawn carriages to today's sleek computers on wheels, AAA motor clubs have always held to the unwavering belief that every American deserves safe, efficient transportation. Today, society is on the verge of a seismic shift in safety and mobility

as autonomous whicle technology

is deployed across more and

automotive technology to the test While w understand and challens technologies and their implications for

Technology

Takes the Wheel

KICKOFF SEMINAR Wednesday, Feb. 7, 2018 • 3-5 p.m. Nitective Auditorium on UT's Main Campus (1600 N. Weshwood Ave.) with receptors to follow is adjacent Brady Center

DELIVER OF ENGINEERING

motorists, the potential safety impacts of driverless vehicles should not us can imagine. be underestimated.

DRIVING NTO THE

At Mcity, researchers put cutting-edge

Each year, roughly 35,000 people lose their lives in traffic crashes on our nation's roadways, and millions more

to get these vehicles on the road. As futuristic as some of these advances ma seem, you might he do know

public & government affairs

Autonomous Vehicles: Coming to a Highway Near You

Car manufacturers, tier-one automotiv suppliers, technology companies, ridesharing businesses, universities and other researchers are all racing to develop autonomous vehicles and related components. Some experts predict that we will see fully autonomous self-driving vehicles as soon as 2020, and the pace of change is so rapid that automakers are tearning with other companies to speed development even further. They are also purchasing autonomous-whicle technology startups and investing in ridesharing companies to preserve their relevance in the industry in the event that vehicle autonomy has a significant effect on consumers' vehicle-buying patterns. While autonomous whicles hold the promise of bringing a scienci shift in safety

and mobility. AAA is working to ensure with some market leaders. that federal, state and private-industry FORD-After working on automated officials maintain a balance between car technology for more than a decade, this innovation and public safety. major automaker expects to have a fully AAA Public and Government Affairs autonomous whicle in 2021, including staff is serving on or, in some cases, seeking high-volume, fully autonomous vehicles for to form state autonomous whicle task ridesharing forces to guide safe deployment of this GM-GM plans to release its Super potentially transformative technology. In Cruise semi-autonomous technology Maryland and Pennsylvania, for example, on the Cadillac CI'6 sedan this year. It 2016, GM paid \$1 billion for technology AAA Public Affairs staff serve on state task forces evaluating the impacts of startup Cruise Automation to boost its driverless technology on safety, insurance own efforts. It also invested \$500 million in law enforcement, licensing, privacy, the ridesharing company Lyft, becoming cyber security and road testing. We are looking to help form similar task forces in Ohio, Kentucky, Delaware, Virginia

and New Jersey this year. AAA views the development of autonomous vehicles from ---- driver and the perspect consumer,

related imp

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as well as

planning



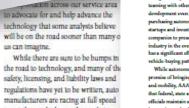
vehicle finished by 2020. Google has logged more than 1.7 million mike in modified production vehicles and custom-designed low-speed electric cars assembled by Roush Industries. Going forward, it is unclear whether Google plans to build its own cars or partner with existing car makers It's been speculated that Google parent Alphabet Inc. has spun off the self-driving car project into its own business unit to launch a car-sharing service that would compete with Uber.

UBER-The ridesharing giant expects to have autonomous vehicles in its fleet by 2020, and it is both developing its own technology and partnering with others to get there. The company opened a research and development facility in Pittsburgh. Pennsylvania, in 2015 and is testing self driving cars there. It also partnered with the University of Arizona on mapping and to help Uber drivers lease vehicles

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ELF-DRIVING CARS

a preferred supplier of cars for its drivers today-and likely delivering autonomous cars to the company in the future. TESLA-This electric-car company has said it may offer fully autonomous vehicles as early as 2018, but a recent fatality in a 4-15 operating on Autopilot may affect THE SHIFT



cles that

already in

Automated Vehicles: AAA Testing



The car owners' group tested blind spot monitoring system

John Nielsen, AAA's managing director of Automotive Engineering and Repair. "However, AAA's testing of these systems reveals significant shortcomings

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AAA Foundation for Traffic Safety

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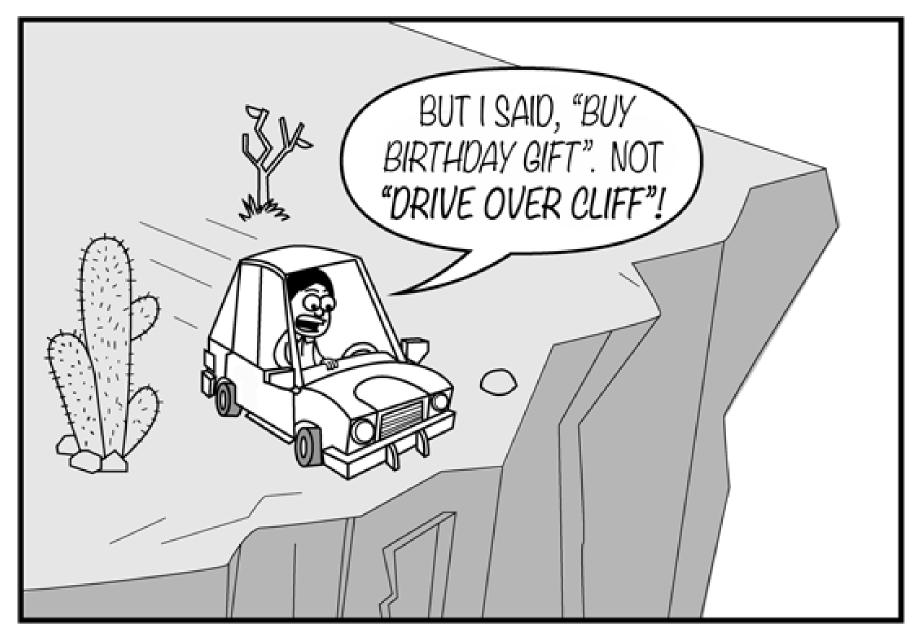




New technology will help reduce collisions and injuries... but it's a long road to full autonomy.







Driverless Car Mishap #13

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The Road to Consumer Acceptance

- Safety first
- Public education
- Truth in advertising
- Driver training
- Standardization of terminology
- Data transparency
- Include consumer perspective in policy discussions



Thank You