

# Self-Driving Cars

Can you imagine a future of driverless vehicles?

Automakers and companies are investing huge amounts of time and research into making self-driving vehicles come to fruition. The utopian world of not driving is certainly a welcoming dream. As cool as it may sound, have you considered the problematic consequences it can bring? How would it affect current drivers like you on the road today?

## 01 Current & Future Drivers

Would you give up driving? Imagine sitting in your own vehicle and watch the steering wheel disappear in front of you, not being able to drive again. The car takes over via a computer programmed by someone that you will have to trust. Older drivers, perhaps brilliant drivers, will have to make adjustment to new technology. Can they?

New generations of teenagers, eagerly waiting to drive, will have to face this too. The experience of learning to drive may no longer exist.

## 02 No Decision Making

Go left! No, go right! Which is the right choice? Consider the infamous trolley dilemma:

Imagine a driverless trolley speeding down a track towards a group of five people who are stuck and a lever that can switch the track to an alternate track that only has one person stuck. Which is morally the right choice?

At split-second decision like this, you do not make the choice. The computer does, whether you agree or not with its decision.

## 03 Even More Concerns



### Bad Weather

Poor visibility from snowstorm and thunderstorms can affect the radars, sensors, and cameras performance.



### Liability

Accidents happen. Who is at fault? You, computer, programmer, or automaker?



### Infrastructure

Road constructions, slow cellular network, and backroads with no lane-markers are challenges that self-driving cars face.



### Unemployment

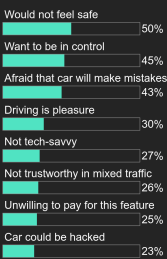
Roughly 3.5 million people including truckers, taxi drivers, Uber, Lyft, chauffeurs, etc. are at risk to lose their jobs.



### Driving Pleasure

Dreaming to drive in your dream car? Lamborghini, Ferrari, McLaren... Not with self-driving cars.

### Concerns Regarding Self-Driving Cars



According to data from Statista.com taken from survey of 1,260 people from 10 countries

## 04 Driving Now vs. Driving Future



VS



- Driver Licenses
- Full Manual Control
- Easier Liability
- Age Limits
- Choice of letting car pilot itself with semi-autonomous technology (Lane keeping, dynamic cruise control, emergency braking)
- Driving pleasure (offroading, racetrack)

- No Control
- Complex Liability
- Lower age limits
- Prone to hack & slow connections
- On paved roads only
- Costly
- Unsuitable in bad weather
- Need to trust computers
- Job losses

## 05 Great Compromise

The current state of autonomous driving that requires human presence in the driver seat is the most autonomous we can achieve to satisfy current drivers. Focus on improving existing technology, not replace humans with technology. Drivers will not become extinct and will continue to exist.

Sources:

<https://www.statista.com/chart/5950/concerns-about-self-driving-cars/>  
<https://www.thejesuitpost.org/2017/05/self-driving-cars-the-good-the-bad-the-ugly/>

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