

Autonomous Vehicles and Embedded Artificial Intelligence: The Challenges of Framing Machine Driving Decisions

Applied Artificial Intelligence - 2021

Martin Cunneen | Martin Mullins | Finbarr Murphy

- The paper talks about the challenges and risks in the domain on autonomous vehicles.
- AVs can help mitigate any errors associated with human driving decisions. But they also create new potential risk factors and governing challenges that need to be considered.
- There are other advantages of AVs as well like enhancing the mobility of those who lack it.
- AV risk mitigation cannot be undertaken by governments alone, but must rather be a multi-stakeholder phenomenon.
- There have been concerns about the safety of this technology. But statistics show it is safer.
- AV offers a driving experience that is unaffected by human-like issues like intoxication, distraction, fatigue, and poor behavioral decisions such as speeding.
- Although humans are statistically proficient drivers, human drivers make human errors.