# Annotated Bibliography: Automation in real world

Gaddam Rajkumar

David Pollak

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New England College

Victoria, A. (2019). Driving aviation forward; contrasting driving automation and aviation, 250-264.

https://doi.org/10.1080/1463922X.2018.1432716

This article deals with Technological solutions in order to reduce human errors. Technological solutions incorporating computerized performance have been seen as equipment that can be used to minimize human error in both aviation and using environments even as bringing about enhancements to operational safety and decreased accident rates. Historically, aviation has led the way, but over recent years, tendencies in the subject of driving automation have accelerated rapidly. This paper appears greater closely at what aviation may additionally now learn from driving through assessing the underlying motivations and use of automation inside their respective fields, as nicely as the differing graph philosophies used to enforce such systems.

Conor, M. (2019) Handing over the Keys: A Study of Automation in Driving, 1681-1692.

https://doi.org/10.1080/10447318.2019.1565482

This article offers a qualitative riding simulator study designed to apprehend the journey of giving up control to automatic approaches in semiautonomous using systems. The study employed an experience prototyping methodology, with 12 drivers (4 female) completing two periods in a high-fidelity driving simulator. Condition A simulated a commonly functioning car, while Condition B simulated a

semiautonomous system that video display units driver conduct and takes evasive motion when hazard is detected. The simulator trip was used to ground wider dialogue of automation and the journey of driving, which was explored through a semistructured interview. Results identify design challenges for autonomous riding systems; the loss of consumer organization and confidence, and coping with the alternate between manual and computerized control. Opportunities had been identified; in augmenting instead than doing away with human abilities, and in supplying new learning opportunities for drivers.

Shneiderman B, (2020) Human-Centered Artificial Intelligence: Reliable, Safe & Trustworthy

495-504

https://doi.org/10.1080/10447318.2020.1741118

This paper opens up new probabilities by means of way of a two-dimensional framework of Human-Centered Artificial Intelligence (HCAI) that separates ranges of automation/autonomy from levels of human control. The new guiding principle is to are seeking high stages of human control AND high ranges of automation, which is extra probable to produce laptop purposes that are Reliable, Safe & Trustworthy (RST). All of which guide non-stop refinement of management strategies, training, operational practices, and root-cause failure analyses. Capability Maturity Models (Fraser et al., 2002; Lacerda & von Wangenheim, 2018) information organizational diagram to help safety, but similarly discussion of these techniques is past this paper.