

Publication

Automated vehicles, big data and public health

JournalArticle (Originalarbeit in einer wissenschaftlichen Zeitschrift)

ID 4524540

Author(s) Shaw, David; Favrat, Bernard; Elger, Bernice

Author(s) at UniBasel [Shaw, David](#) ; [Elger, Bernice Simone](#) ;

Year 2019

Title Automated vehicles, big data and public health

Journal Medicine, health care, and philosophy

Pages / Article-Number 1-8

Keywords Autonomous cars; Big data; Ethics; Public health

In this paper we focus on how automated vehicles can reduce the number of deaths and injuries in accident situations in order to protect public health. This is actually a problem not only of public health and ethics, but also of big data-not only in terms of all the different data that could be used to inform such decisions, but also in the sense of deciding how wide the scope of data should be. We identify three key different types of data, including basic data, advanced data and preference data, provide an ethical analysis of the use of these different types of data and of different ways of prioritizing between pedestrians and passengers, and propose four rules that can help set ethical priorities for ethical data use and decision making by automated vehicles.

Publisher Springer

ISSN/ISBN 1386-7423 ; 1572-8633

edoc-URL <https://edoc.unibas.ch/74100/>

Full Text on edoc No;

Digital Object Identifier DOI 10.1007/s11019-019-09903-9

PubMed ID <http://www.ncbi.nlm.nih.gov/pubmed/31065857>

ISI-Number MEDLINE:31065857

Document type (ISI) Journal Article