# Training to Improve Drivers' Behavior When Partial Driving Automation Fails Dataset

**Dataset available at:** https://doi.org/10.7910/DVN/4KFEM1

(This dataset supports report **Training to Improve Drivers' Behavior When Partial Driving Automation Fails**)

This U.S. Department of Transportation-funded dataset is preserved by the SAFER-SIM University Transportation Center in the SAFER-SIM Dataverse, which is a part of the Harvard Dataverse repository (https://dataverse.harvard.edu/), and is available at https://doi.org/10.7910/DVN/4KFEM1

The related final report **Training to Improve Drivers' Behavior When Partial Driving Automation Fails**, is available from the National Transportation Library's Digital Repository at https://rosap.ntl.bts.gov/view/dot/61184

**Metadata from the Harvard Dataverse Repository record:**

Dataset Persistent ID: doi:10.7910/DVN/4KFEM1
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Title: Training to Improve Drivers' Behavior When Partial Driving Automation Fails
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Description: With the advent of automated vehicle systems, the role of drivers has changed to a more supervisory role. However, it is known that all vehicles with Level 2 (L2) systems have a very specific operational design domain (ODD) and can only function on limited conditions. Hence, it is important for drivers to perceive the situations properly and regain the control from the L2 system when needed. The objective of the current study was to design a training program to increase drivers' situational awareness regarding operational design domain (ODD) and improve drivers performance in transfer of control situations while driving with L2 automation features. A PC-based training program was designed and tested to improve drivers takeover response and situational awareness when L2 systems reach their ODD limits. Results showed drivers in the PC-based training group took back control more effectively when L2 systems reached their ODD limits and had more situational awareness compared to the drivers who received user manual or placebo training. (2020-08-01)
Subject: Engineering
Related Publication: http://safersim.nads-sc.uiowa.edu/final_reports/UM%203%20Y3_Final%20Report.pdf
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**Dataset description:**
This dataset contains 2 files described below.

**SS2-SART-Data.csv and SS2-Takeover-response.csv:**
The .csv, Comma Separated Value, file is a simple format that is designed for a database table and supported by many applications. The .csv file is often used for moving tabular data between two different computer programs, due to its open format. The most common software used to open .csv files are Microsoft Excel and RecordEditor, (for more information on .csv files and software, please visit https://www.file-extensions.org/csv-file-extension).

**National Transportation Library (NTL) Curation Note:**
As this dataset is preserved in a repository outside U.S. DOT control, as allowed by the U.S. DOT's Public Access Plan (https://ntl.bts.gov/public-access) Section 7.4.2 Data, the NTL staff has performed ***NO*** additional curation actions on this dataset. NTL staff last accessed this dataset at https://doi.org/10.7910/DVN/4KFEM1 on 2022-04-07. If, in the future, you have trouble accessing this dataset at the host repository, please email NTLDataCurator@dot.gov describing your problem. NTL staff will do its best to assist you at that time.