Date of Last Update (edit each time): 5/10/2021

UTC Project Information	
Project Title	Identifying Deviations from Normal Driving Behavior
University	Texas A&M Transportation Institute
Principal Investigator	Michael Manser
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Funding Source(s) and Amounts Provided (by each agency or organization)	Safe-D (Federal): $49,493 Toyota CSRC Match Source: $150,000 Center for Transportation Safety Match Source: $44,285 State Farm: $20,000
Total Project Cost	$263,778
Agency ID or Contract Number	Grant No: 69A3551747115 Project: TTI-Student-08
Start and End Dates	10/20/2020 – 10/15/2021
Brief Description of Research Project	Advanced driver assistance systems (ADAS) have significantly improved safety on today's roadways but their impact may be limited by driver errors. Understanding and identifying these driver errors will require the integration of multi-domain datasets through predictive modeling and data integration approaches. The goals of this project are to identify relevant datasets for ADAS error prediction, evaluate modeling approaches for predicting driver errors during ADAS use, and developing models to proactively predict driver errors. Results from the project will be used to guide data collection system design at automakers and develop predictive modeling benchmarks.
Describe Implementation of Research Outcomes (or why not implemented) Place Any Photos Here	Final report provided to SAFE-D Final aggregated data set Presentation to match funding sponsors Graduate student training/education
Impacts/Benefits of Implementation (actual, not anticipated)	The project will result in the statistical models that can be used with vehicle and physiological data to identify impending deviations in driver errors.
Web Links • Reports • Project website	https://safed.vtti.vt.edu/projects/identifying-deviations-from-normal-driving-behavior/