Student name: Dan Liang
Academic level/academic standing: PhD Candidate (planning for qualifying exam in Fall 2019)
Thesis/dissertation title and status: Acceptance and behavioral adaptation of senior drivers towards automated vehicles (topic tentative)
Impact Statement: Dan was completing the following statistics courses over the semester being supported by the Safe-D grant:

  STAT 5014 Introduction to Statistical Program Packages
  STAT 5044 Regression and ANOVA
  STAT 5104 Probability and Distribution Theory
  STAT 5204 Experimental Design and Analysis
  STAT 5124 Linear Models Theory
  STAT 5615/5616 Statistics in Research I and II

The Safe-D project provides direct experience in collecting and analyzing survey data that supplement ISE and statistics courses. Specifically, the project enriches the student understanding in parametric and non-parametric testing of differences taught in STAT 5615/5616 Statistics in Research.

This project provides direct experience in conducting focus group, and processing qualitative data obtained from focus group. In this project, Dan employed topic modeling and semantic analysis to analyze text data collected from the focus group. STAT 5104 Probability and Distribution Theory has been helpful for understanding the algorithms in topic modeling.