Perceptions of Technology and Vehicle ADS

General Use of Technology

1. Please choose any or all that apply to you. A computer is defined as a laptop or desktop computer and excludes tablets and smartphones.
    a. _____ I own a computer
    b. _____ My family owns a computer
    c. _____ I had access to computers in high school
    d. _____ I am taking (or have taken) one or more classes in a computer classroom
    e. _____ I use the internet regularly
    f. _____ I know how to create a web page

2. Please select any or all the following technologies that you own
    a. _____ Smart watch
    b. _____ Laptop
    c. _____ Smart Phone
    d. _____ Virtual reality headset
    e. _____ Video game console
    f. _____ Bluetooth headphones/Speaker
    g. _____ Smart TV (Roku, Samsung smart TV, etc.)
    h. _____ Amazon Alexa (Echo)/ Google home/ Google Nest
    i. _____ E-reader (Ex: Amazon Kindle)
    j. _____ Tablet

Please answer the following questions (select one per question):

3. I use the internet
    ☐ Regularly
    ☐ Infrequently
    ☐ Never

4. I enjoy using technology
    ☐ Disagree totally
    ☐ Disagree
    ☐ Not strong opinion
    ☐ Agree

☐ Agree Strongly
5. I avoid using technology
    ☐ Disagree totally
    ☐ Disagree
    ☐ Not strong opinion
    ☐ Agree
    ☐ Agree Strongly

6. I struggle to learn new technology
    ☐ Disagree totally
    ☐ Disagree
    ☐ Not strong opinion
    ☐ Agree
    ☐ Agree Strongly

7. Technology breaks down too often to be of very much use
    ☐ Disagree totally
    ☐ Disagree
    ☐ Not strong opinion
    ☐ Agree
    ☐ Agree Strongly

8. I am very confident when it comes to working with technology at home/at work
    ☐ Disagree totally
    ☐ Disagree
    ☐ Not strong opinion
    ☐ Agree
    ☐ Agree Strongly

9. When I have a problem with technology, I usually know how to fix it by myself
    ☐ Disagree totally
    ☐ Disagree
    ☐ Not strong opinion
    ☐ Agree
    ☐ Agree Strongly

10. I like buying the newest and latest technologies on the market
    ☐ Disagree totally
    ☐ Disagree
    ☐ Not strong opinion
    ☐ Agree
    ☐ Agree Strongly

11. Technology makes my life easier
- ☐ Disagree totally
- ☐ Disagree
- ☐ Not strong opinion
- ☐ Agree
- ☐ Agree Strongly

12. Using new technology is very difficult for me
- ☐ Disagree totally
- ☐ Disagree
- ☐ Not strong opinion
- ☐ Agree
- ☐ Agree Strongly

Experience with ADAS/ADS

Advanced driver assistance systems and automated driving systems (ADAS/ADS) are safety systems that assist the driver by providing stationary object alerts, steering control, lane departure warnings, automatic braking, and/or a variety of other methods. Some common ADAS/ADS technologies include automatic emergency braking (AEB), lane centering assist (LCA), lane keep assist (LKA), forward collision warning (FCW), lane departure warning (LDW), adaptive cruise control (ACC), and blind spot warning (BSW). Please answer the following questions **based on your opinions and any past experiences with ADAS/ADS technology.** To answer, **check only one box** for each statement that best expresses your answer (unless indicated otherwise).

13. Indicate which of the following ADAS technologies you have **heard of** (select all that apply)
- ❑ Automated parking
- ❑ Remote-control drive or remote-control parking
- ❑ Traffic jam assist
- ❑ Adaptive cruise control
- ❑ Forward collision warning system
- ❑ Automatic emergency braking
- ❑ Blind spot warning
- ❑ Camera-mirror system
- ❑ Lane-keep assist
- ❑ Lane centering assist
- ❑ Lane departure warning
- ❑ Traffic sign recognition system
- ❑ Pedestrian detection

❑ Rear backing camera

14. Indicate which of the following ADAS technologies you have **used in your personal or commercial vehicle.** Please check all that apply.
   ❑ Automated parking
   ❑ Remote-control drive or remote-control parking
   ❑ Traffic jam assist
   ❑ Adaptive cruise control
   ❑ Forward collision warning system
   ❑ Automatic emergency braking
   ❑ Blind spot warning
   ❑ Camera-mirror system
   ❑ Lane-keep assist
   ❑ Lane centering assist
   ❑ Lane departure warning
   ❑ Traffic sign recognition system
   ❑ Pedestrian detection
   ❑ Rear backing camera

15. For each of the technologies **you indicated using above,** indicate whether you have experienced a situation in which this technology worked to **prevent a crash**.

Automated parking	o Yes	o No
Remote-control drive or remote-control parking	o Yes	o No
Traffic jam assist	o Yes	o No
Adaptive cruise control	o Yes	o No
Forward collision warning system	o Yes	o No
Automatic emergency braking	o Yes	o No
Blind spot warning	o Yes	o No
Camera-mirror system	o Yes	o No
Lane-keep assist	o Yes	o No
Lane centering assist	o Yes	o No
Lane departure warning	o Yes	o No
Traffic sign recognition system	o Yes	o No
Pedestrian detection	o Yes	o No
Rear backing camera	o Yes	o No

Acceptance of ADAS/ADS

Please circle how much you agree or disagree with each of the following statements.

1. I am interested in using ADS in my commercial vehicle

   Strongly Agree   Agree   Neutral   Disagree   Strongly Disagree

2. I think ADS helps people drive more safely

   Strongly Agree   Agree   Neutral   Disagree   Strongly Disagree

3. I am comfortable with the idea of my vehicle driving without me controlling steering or braking

   Strongly Agree   Agree   Neutral   Disagree   Strongly Disagree

4. I would recommend ADS/ADAS technologies to drivers at other companies

   Strongly Agree   Agree   Neutral   Disagree   Strongly Disagree

5. I think auditory warnings in vehicles distract and annoy drivers

   Strongly Agree   Agree   Neutral   Disagree   Strongly Disagree

6. I feel ADS/ADAS causes drivers to pay less attention to the road

   Strongly Agree   Agree   Neutral   Disagree   Strongly Disagree

7. I think ADS/ADAS technologies work well in all driving conditions

   Strongly Agree   Agree   Neutral   Disagree   Strongly Disagree

8. I think ADS/ADAS helps drivers avoid a crash

Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree

9. I think ADS/ADAS threatens the jobs of professional drivers

Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree

10. I rely on ADS/ADAS technology to alert me to potential accidents

Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree

Training with ADAS/ADS

1. Have you attended a formal truck driver training school prior to your current training? (please check) _____Yes _____No

    If **yes**, how long was the training you received, in weeks/days? (please circle)

    Weeks: 0   1   2   3   4   5   6   7   8

    Days: 0   1   2   3   4   5   6

2. Have you ever been trained in the use of ADAS/ADS technologies? This includes informal training such as a friend or relative teaching you how to use the ADAS/ADS system in their vehicle.

    _____ Yes _____No (If **no**, skip to question 3)

    If **yes,** how long was the training you received? Please indicate length in hours, days, or weeks, whatever is appropriate.

    Length of training: _____ (#) _____ (hours, days, weeks, etc.)

    If **yes**, please describe the type of training you received:

    _____

    _____

    _____