

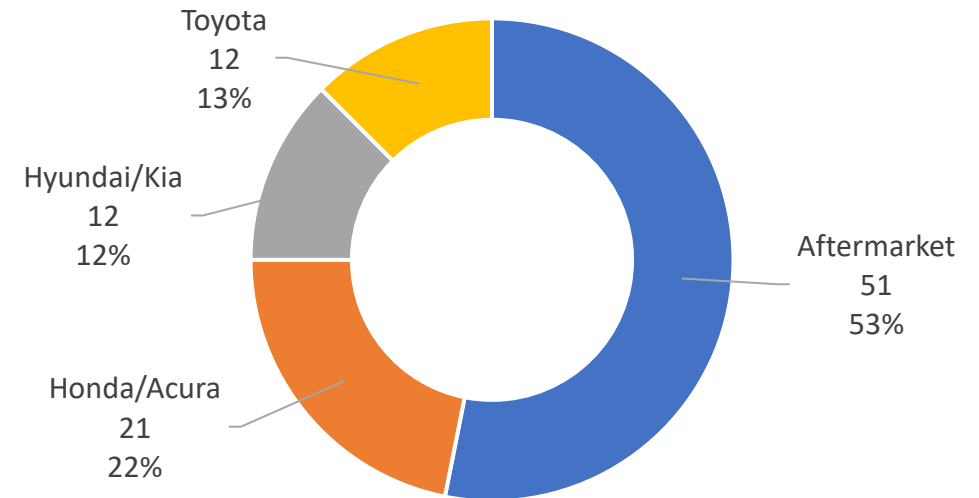
# THEA CV Pilot

Participant Survey Results

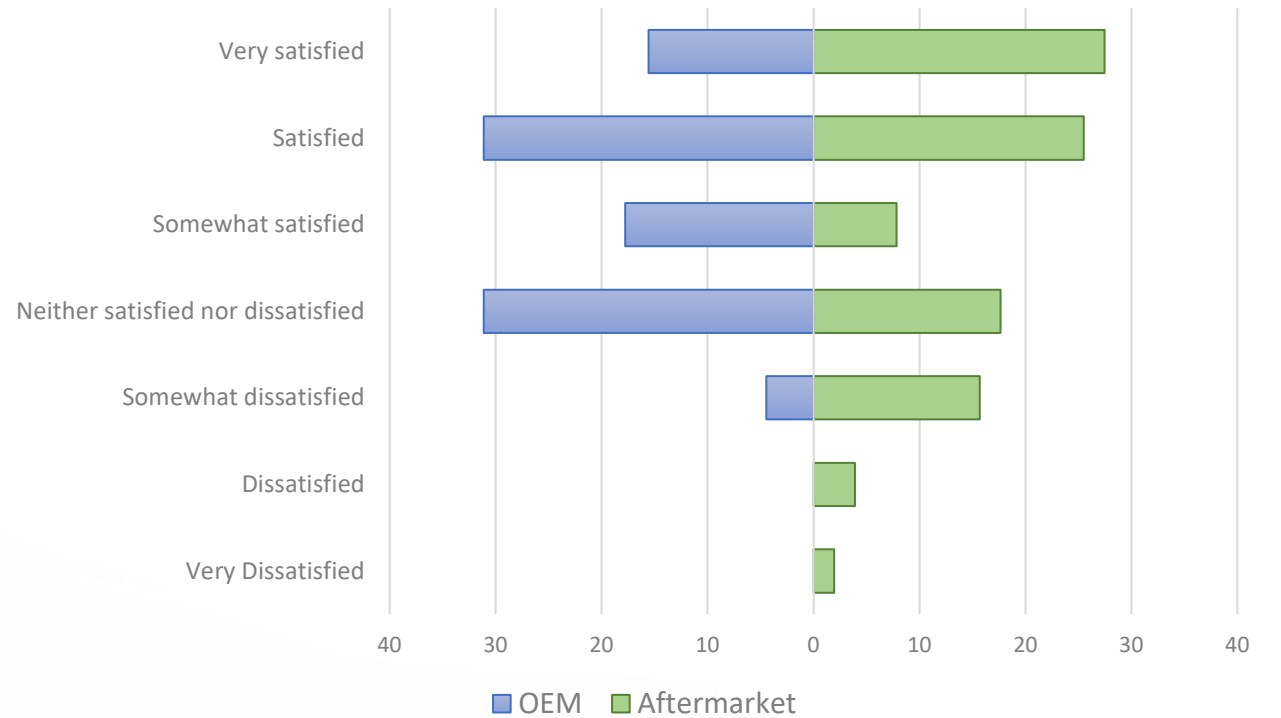
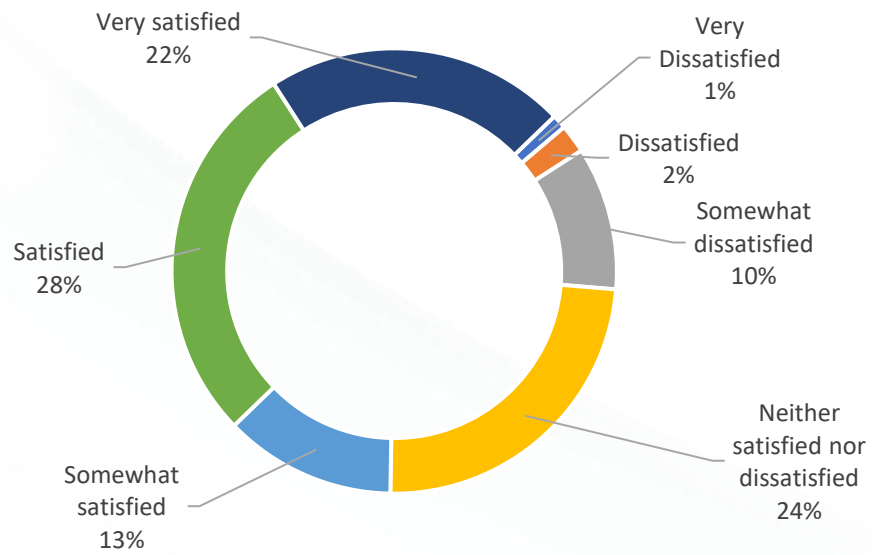
September 2022

# Participant Survey

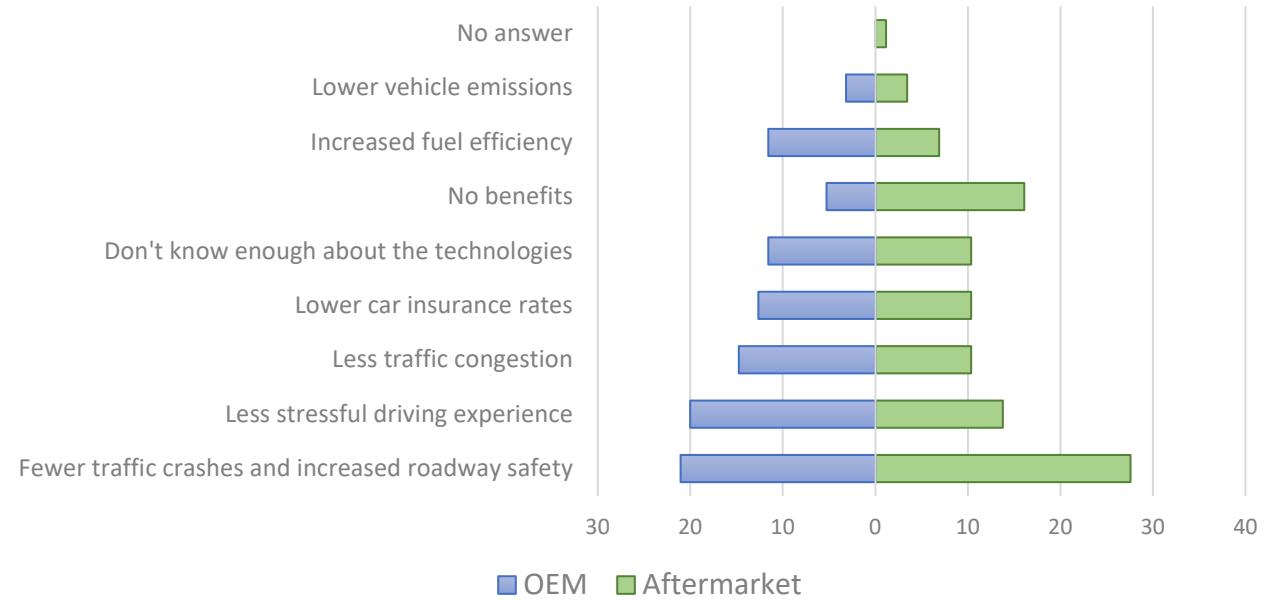
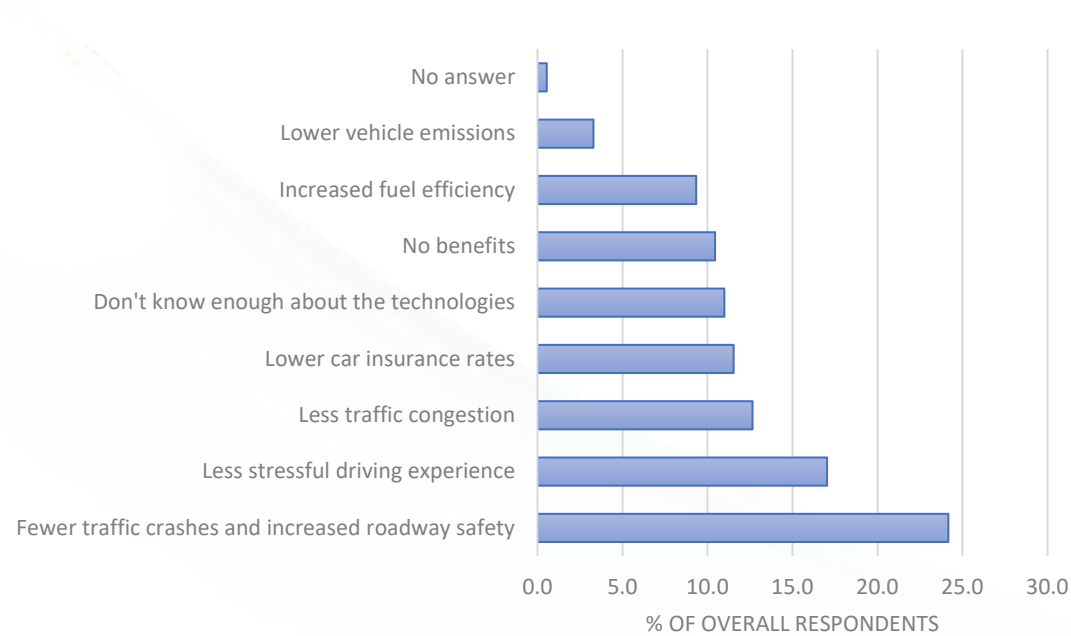
- Administered between April 21 and May 21, 2022
- Received 96 valid responses
- 45 (47%) OEM
- 51 (53%) Aftermarket OBU



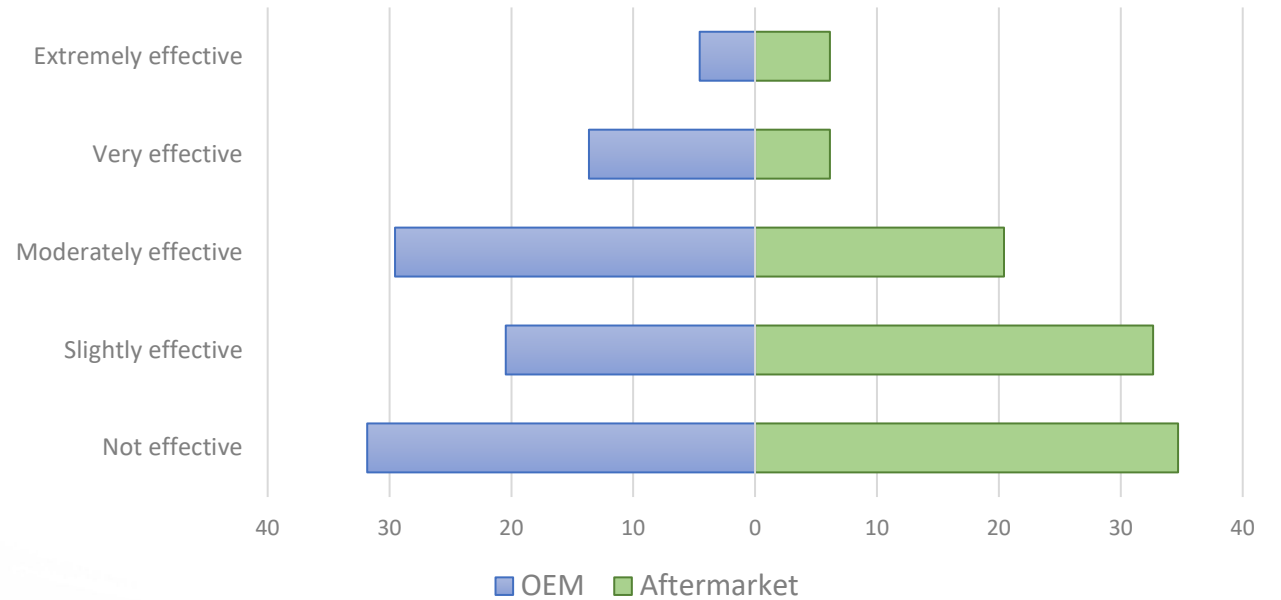
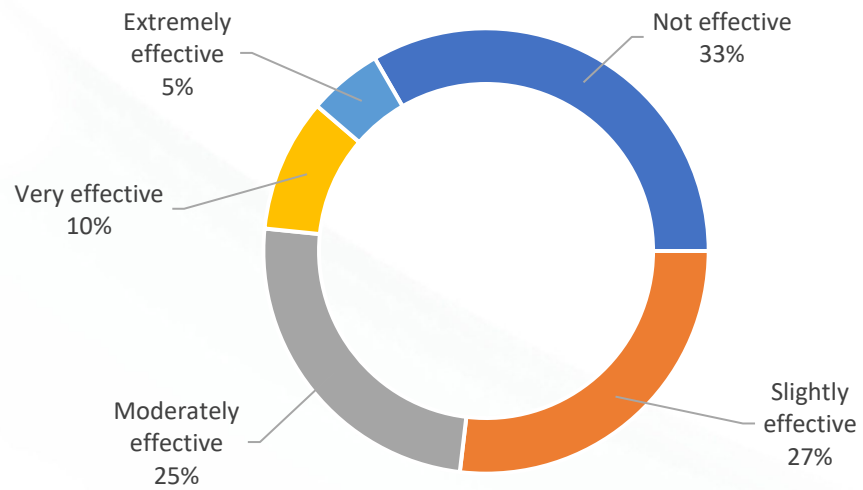
# Overall Satisfaction



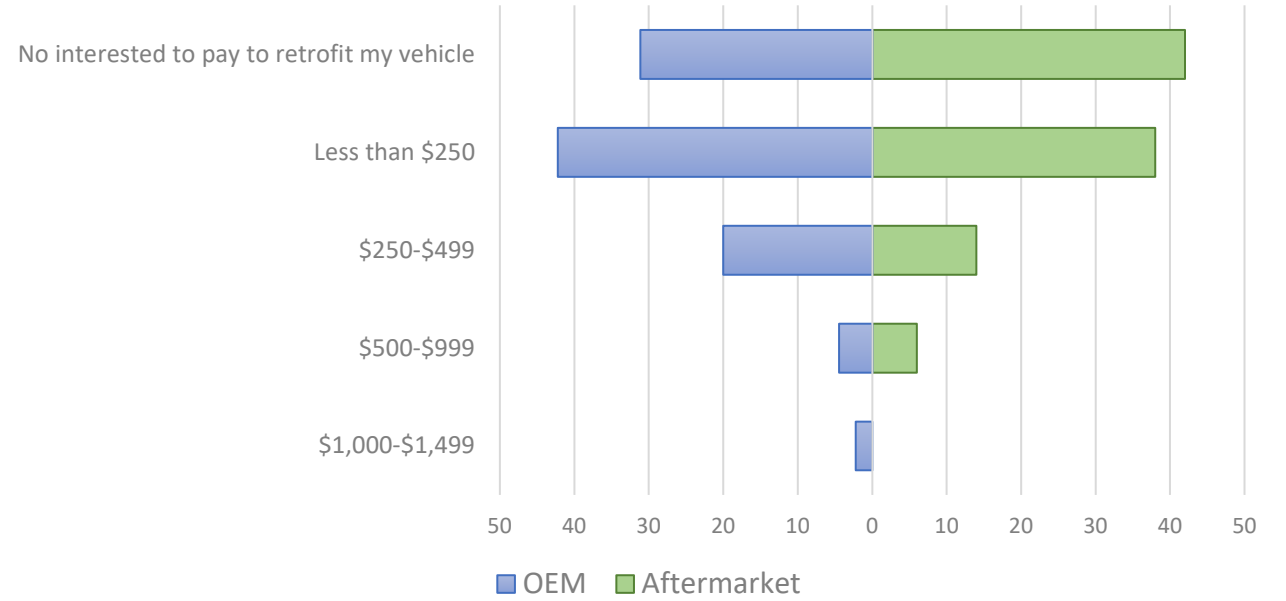
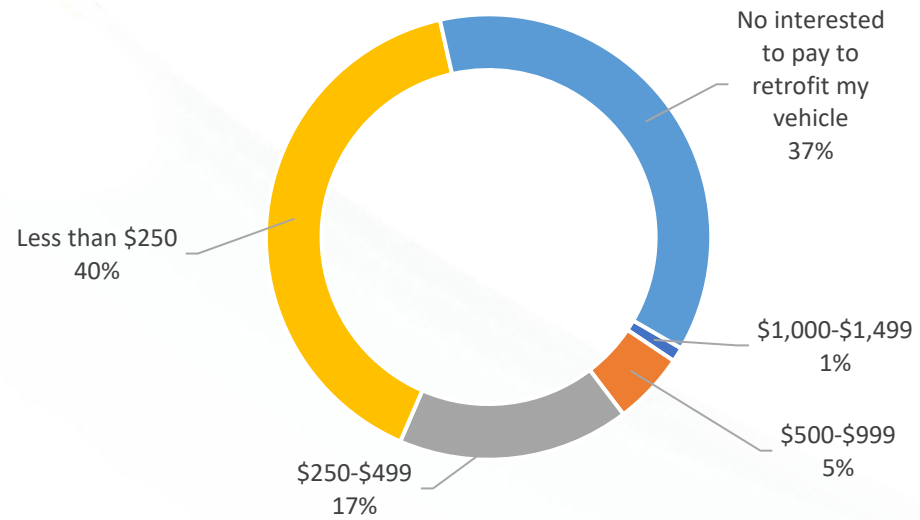
# Perceived Benefits



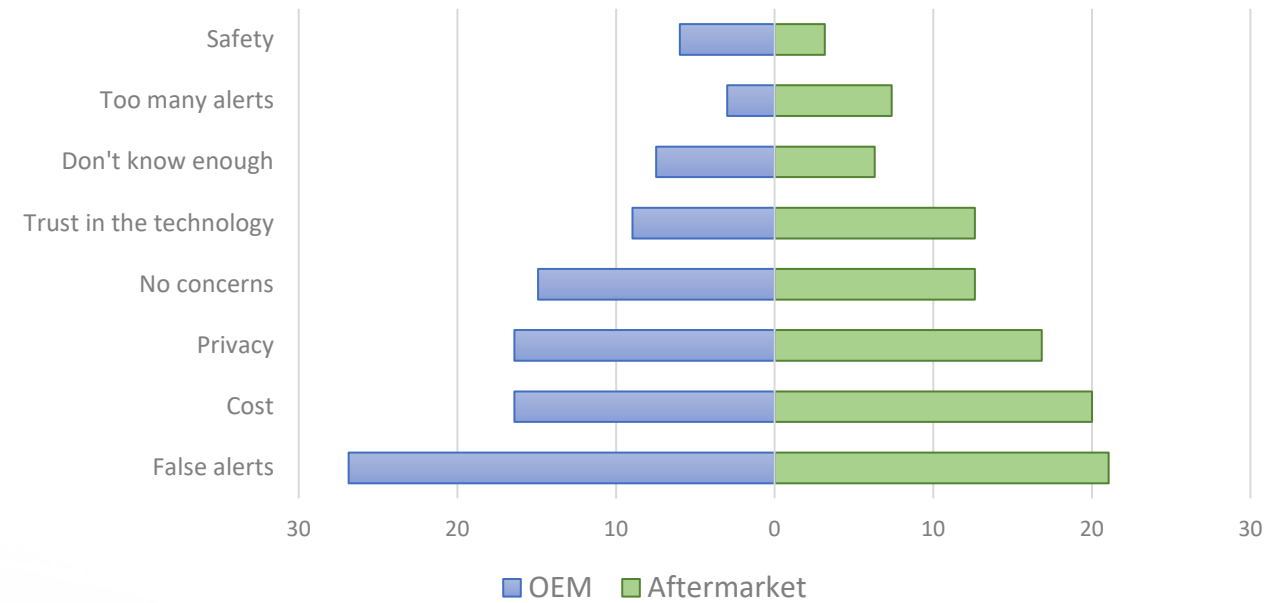
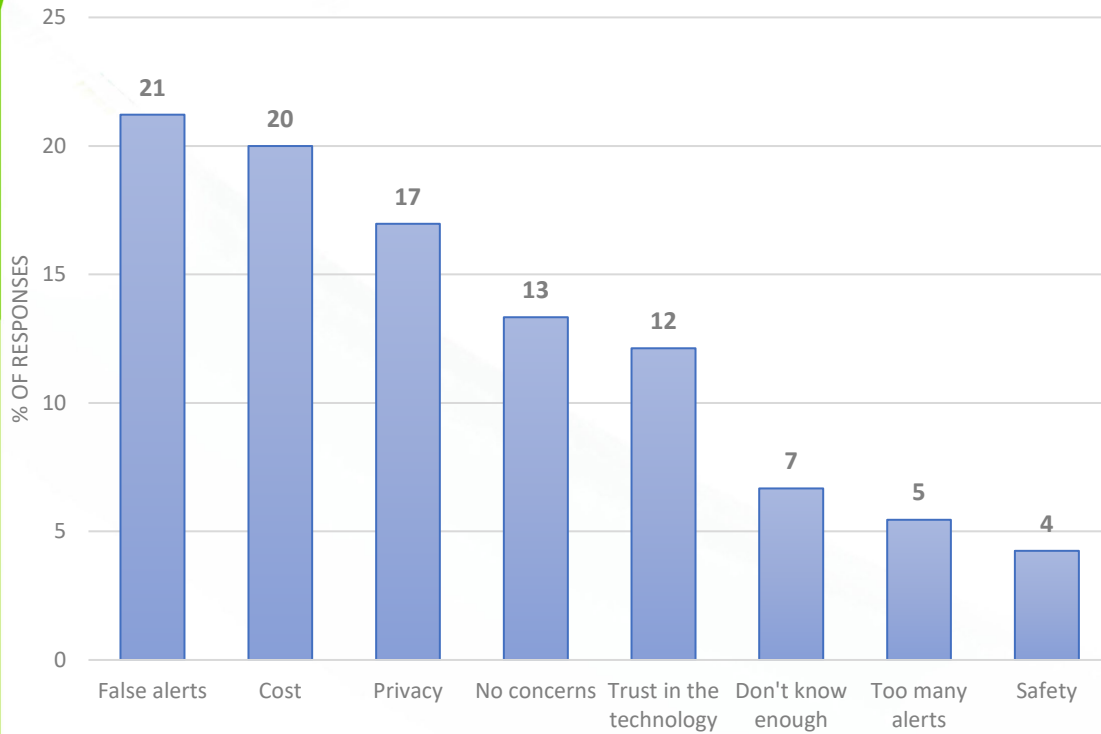
# Warning Effectiveness



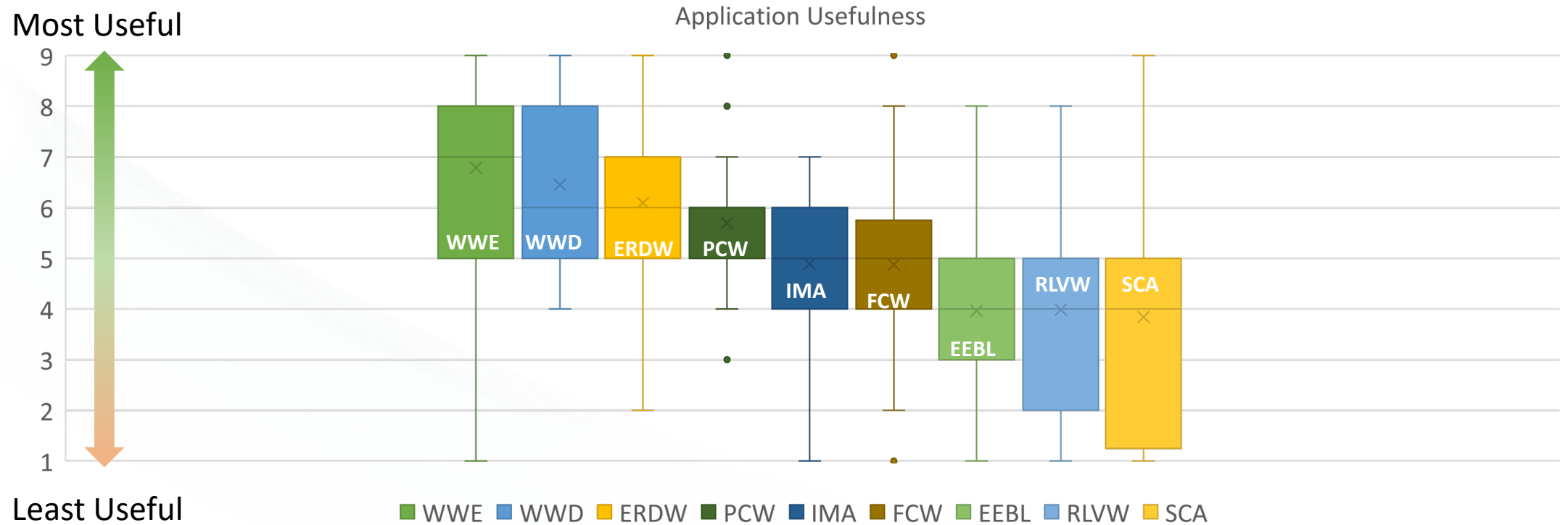
# Willingness to Pay



# Concerns with Technology

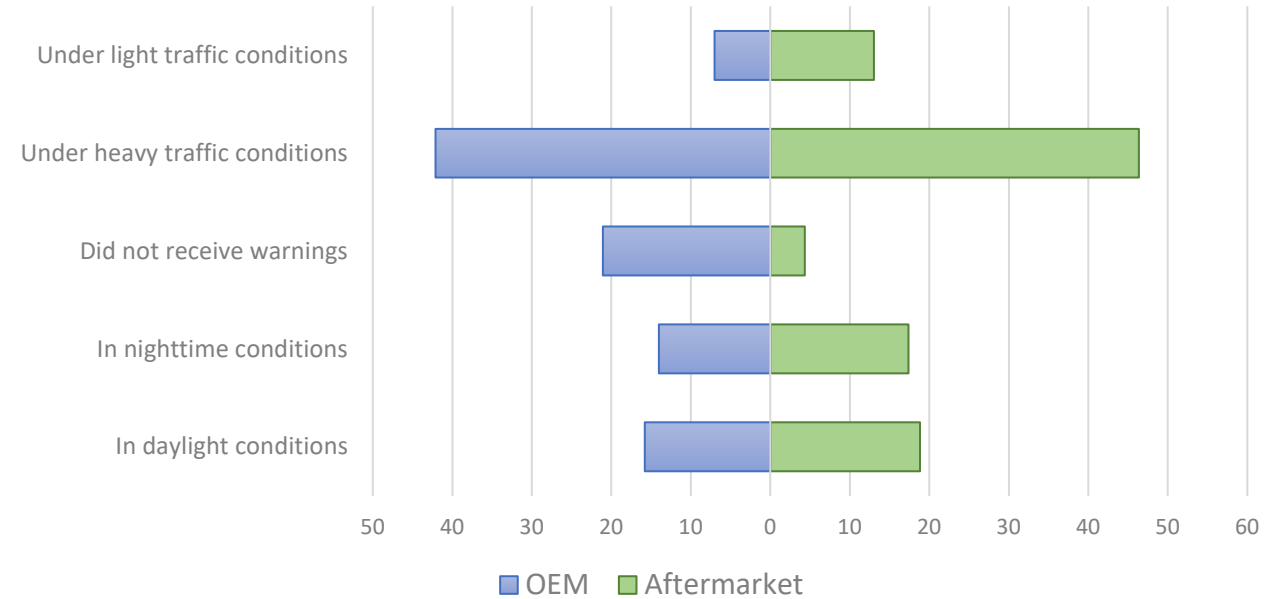
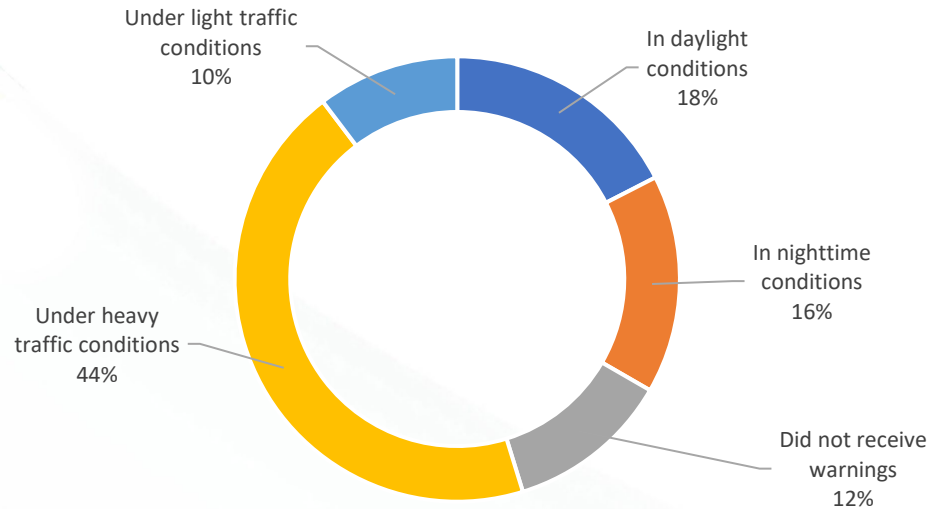


# How do you rank applications on most/least useful?



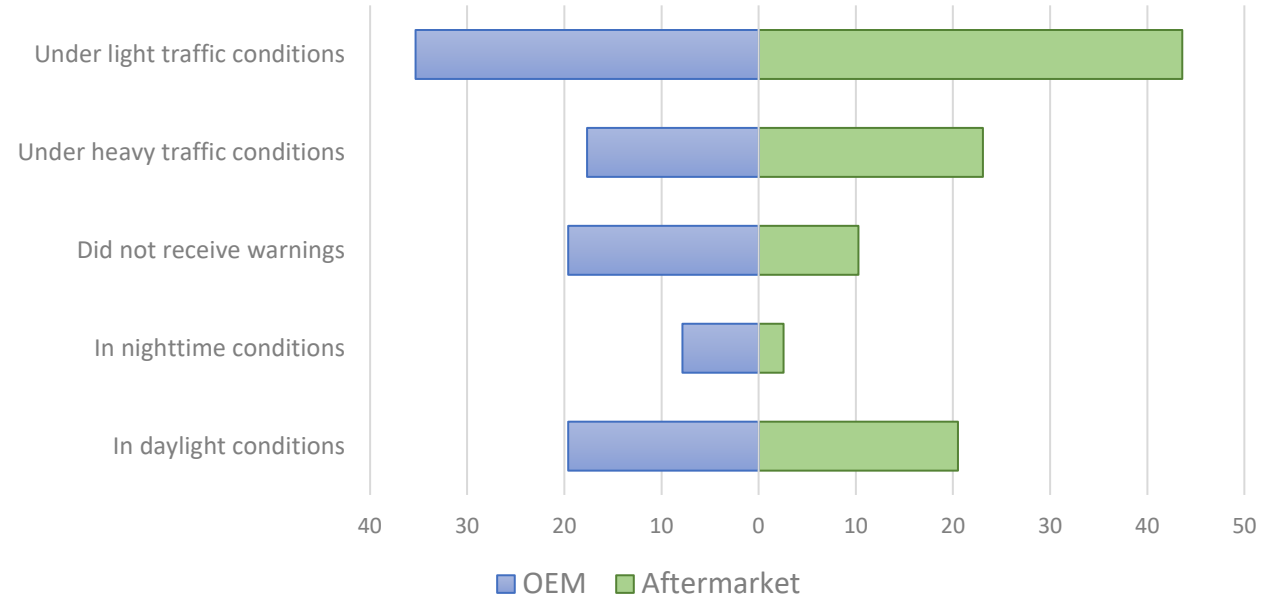
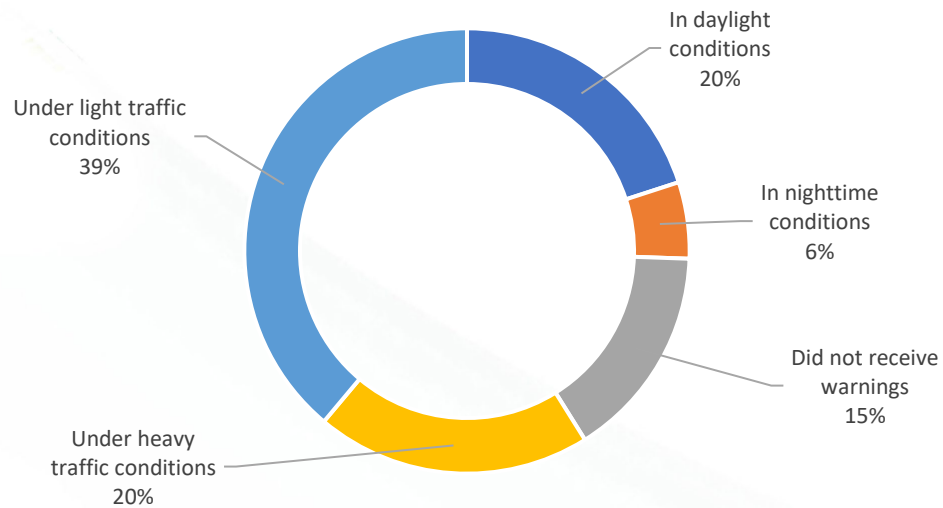


# Under which conditions have you found the apps most useful?

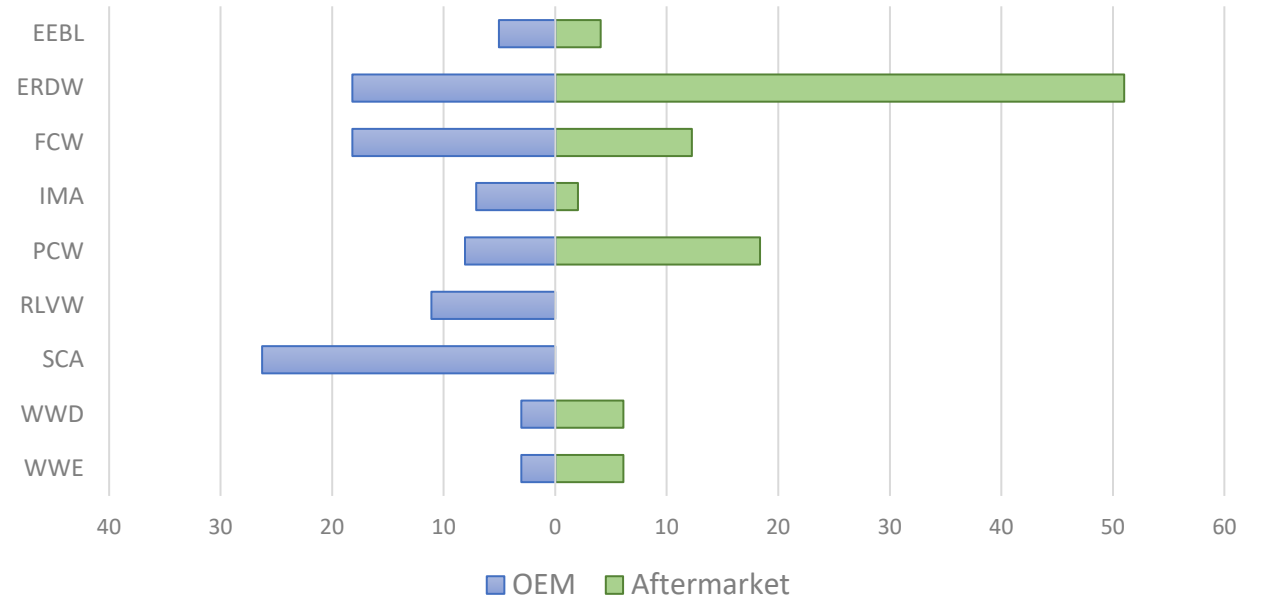
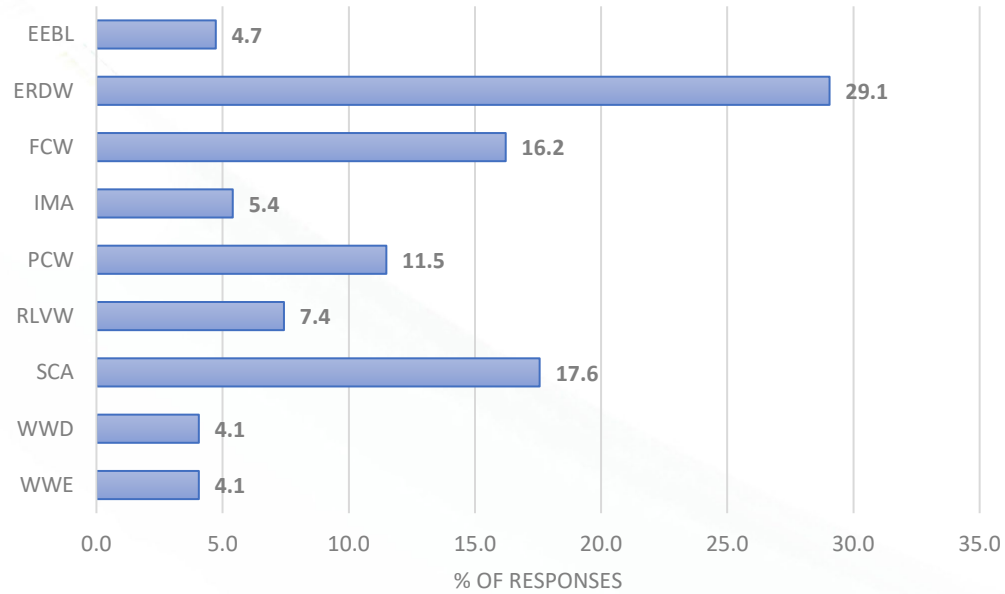


Note: participants were allowed to mark more than one answer

# Under which conditions have you found the apps least useful?

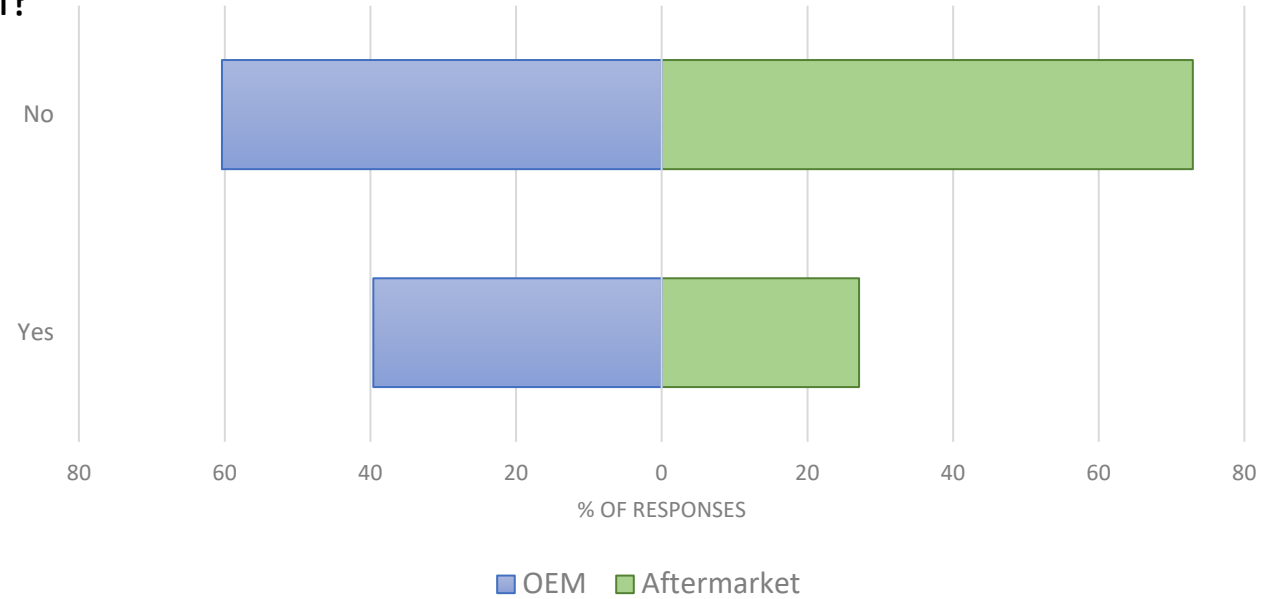
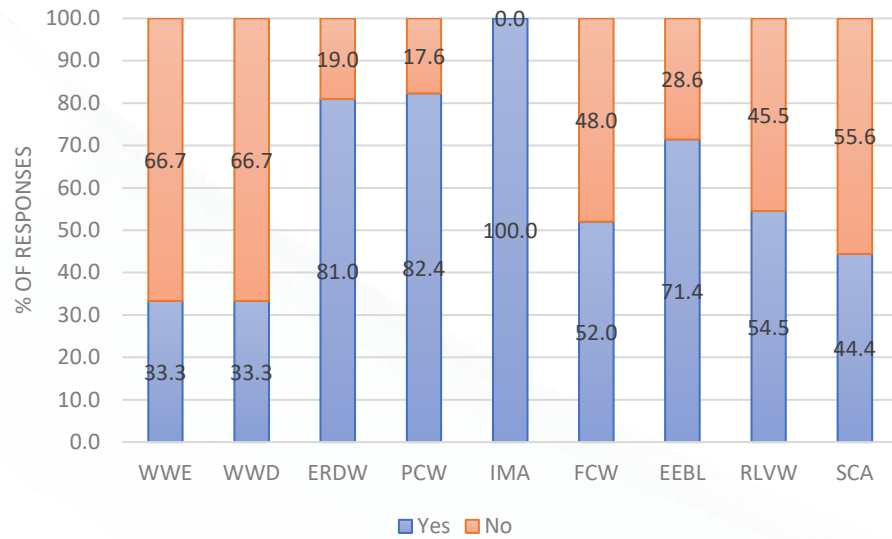


# Responses per Warning



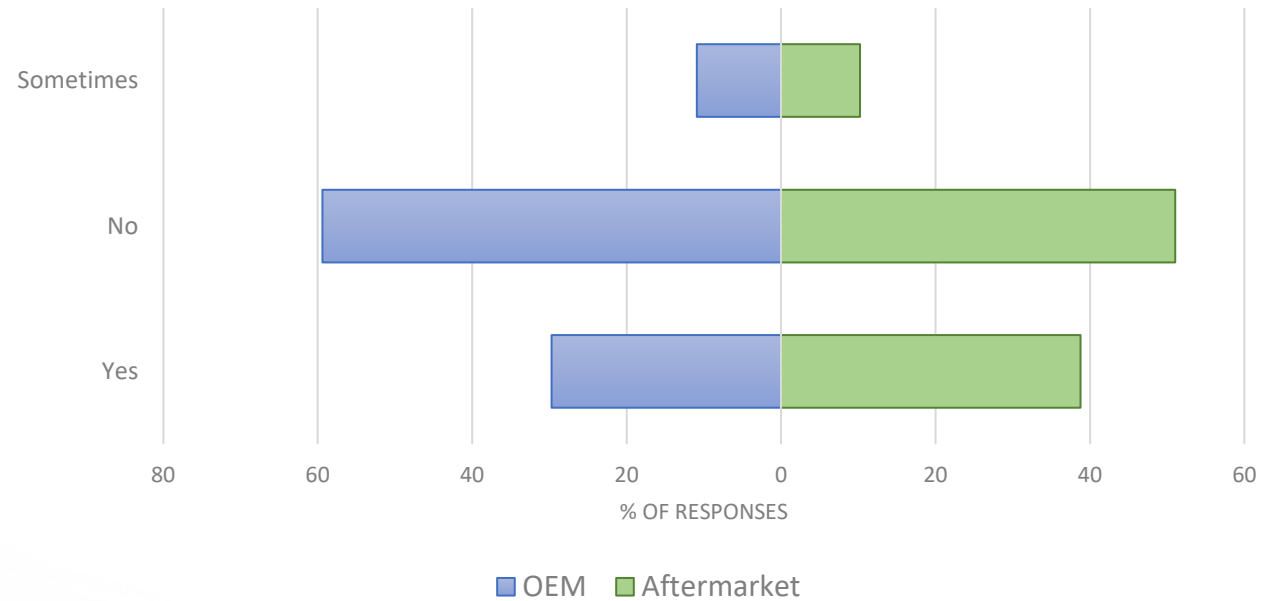
# Warning effectiveness

Did the app help you avoid a conflict situation?



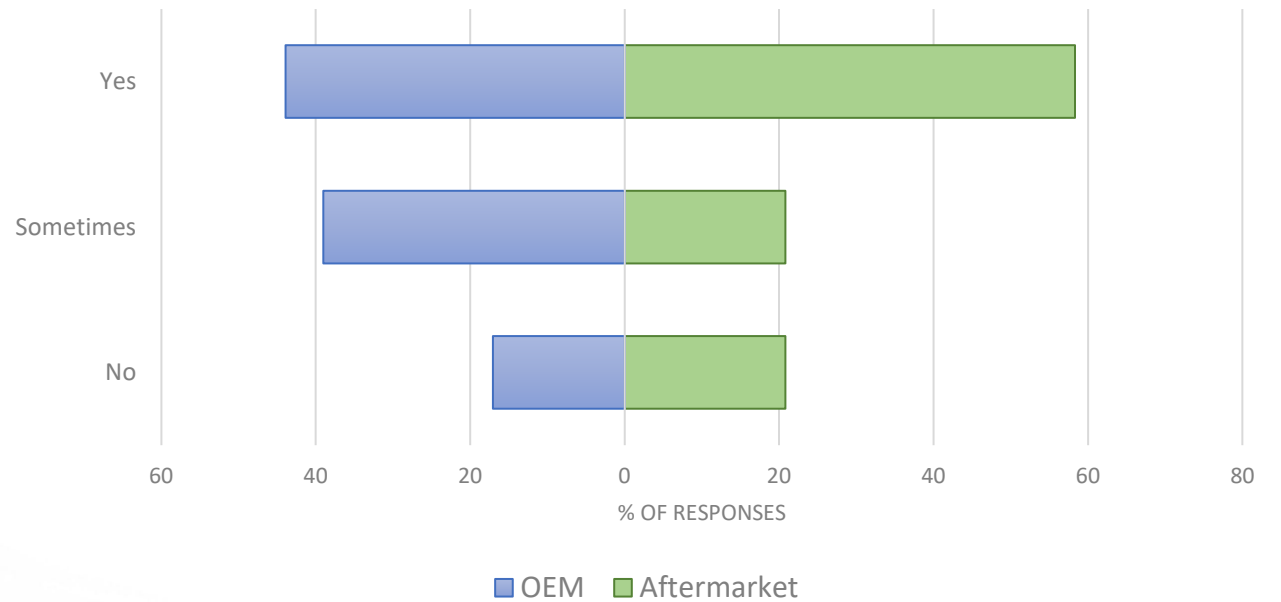
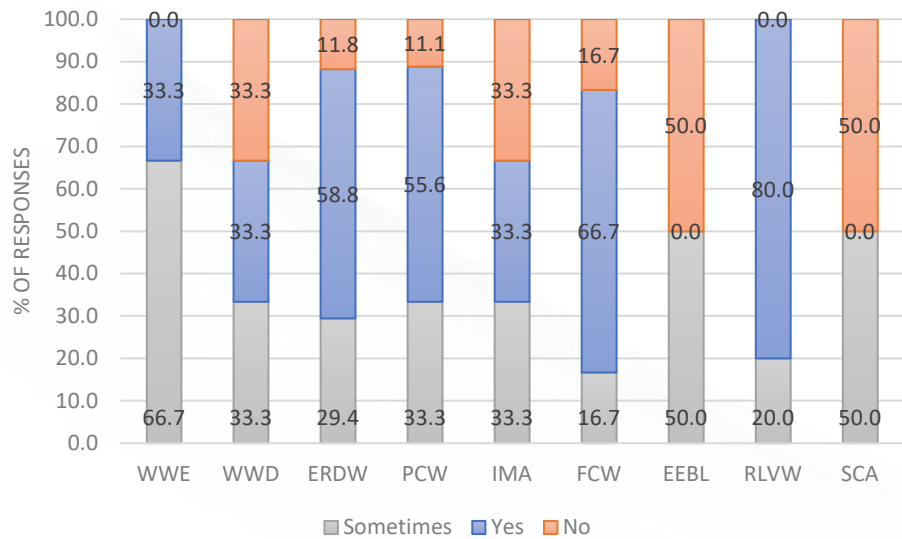
# Warning false positives

Did you receive unnecessary warnings?



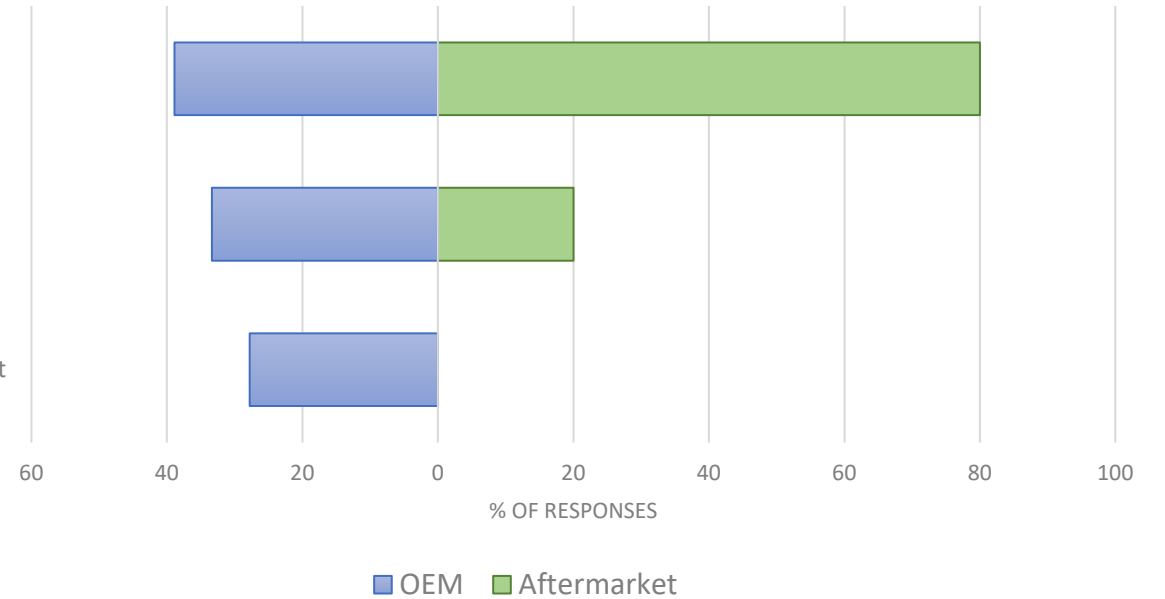
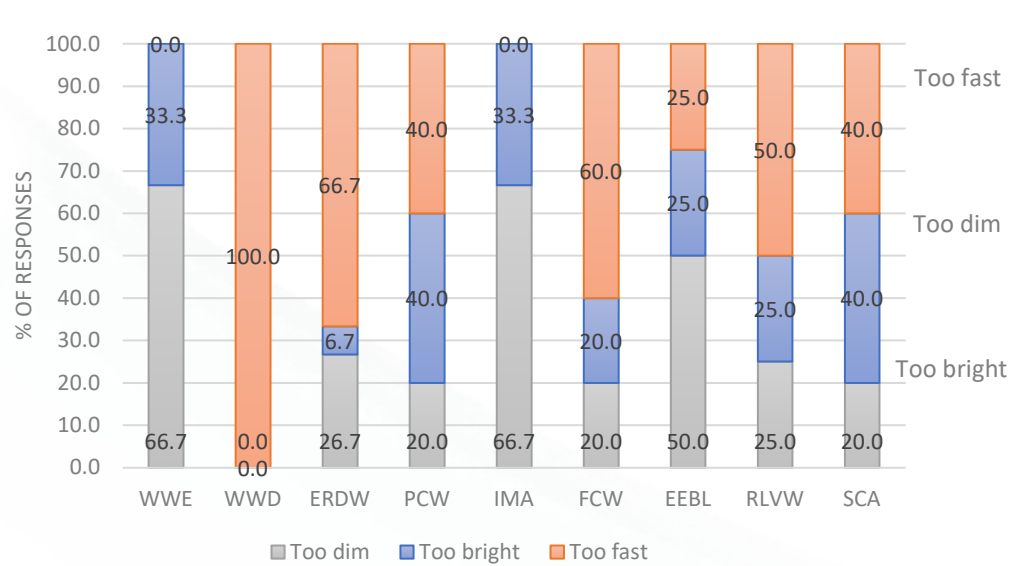
# False positive impact

Were the unnecessary warnings distracting?



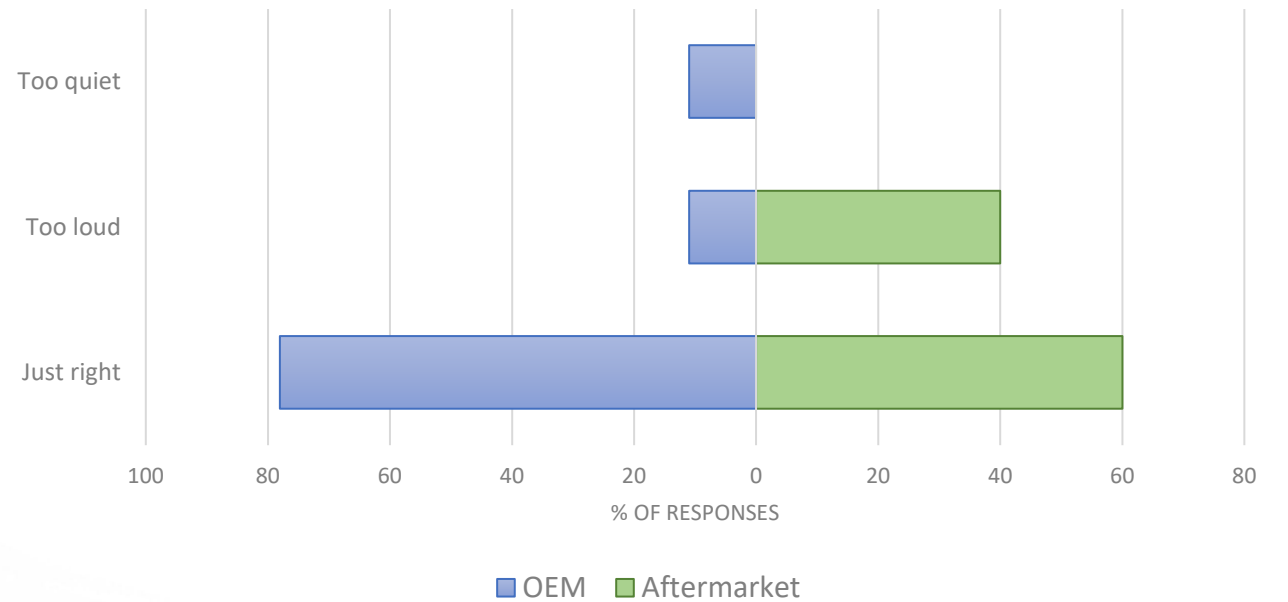
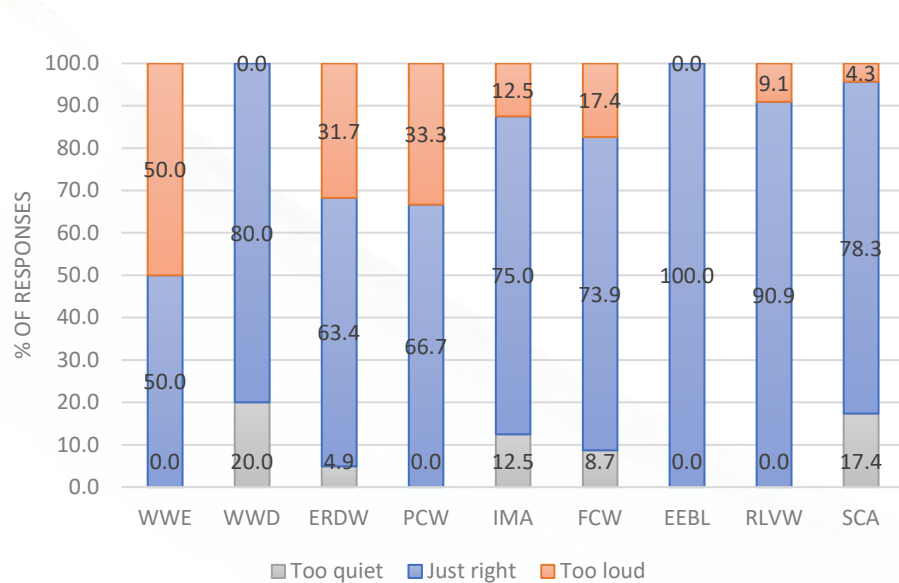
# Warning Delivery - Visual

How was the Human-Machine Interface?



# Warning Delivery – Audio

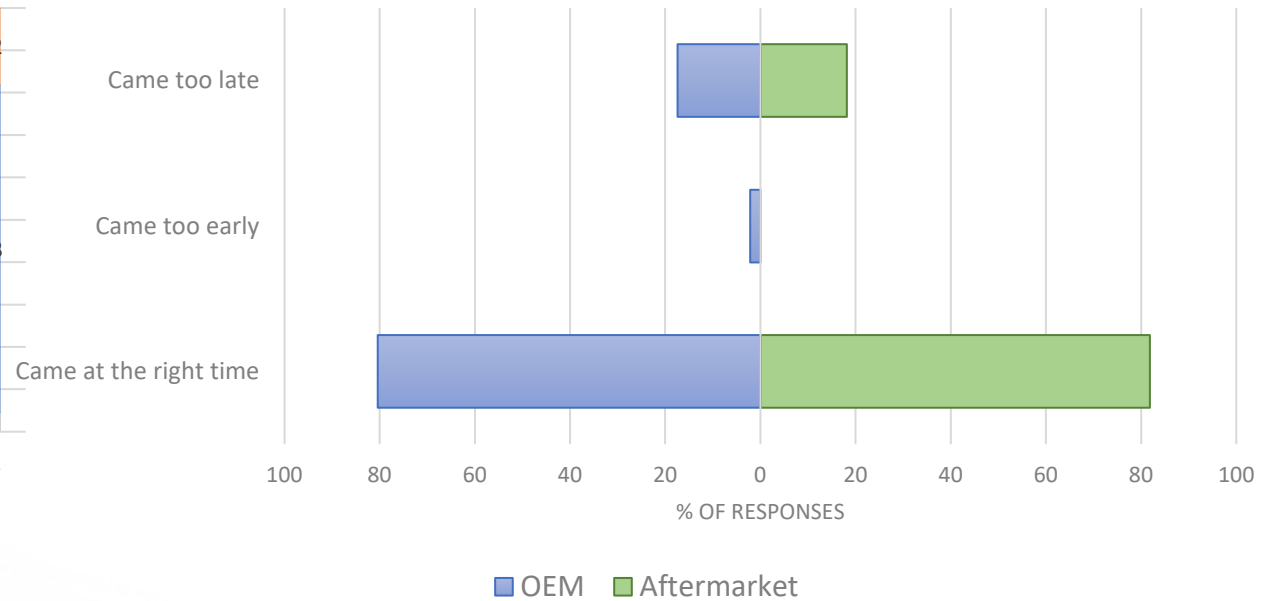
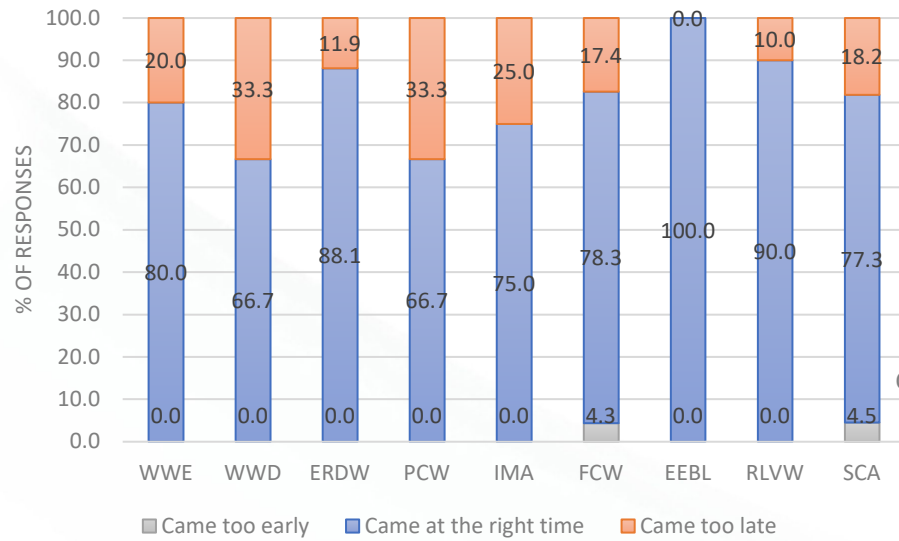
How was the audible warning?





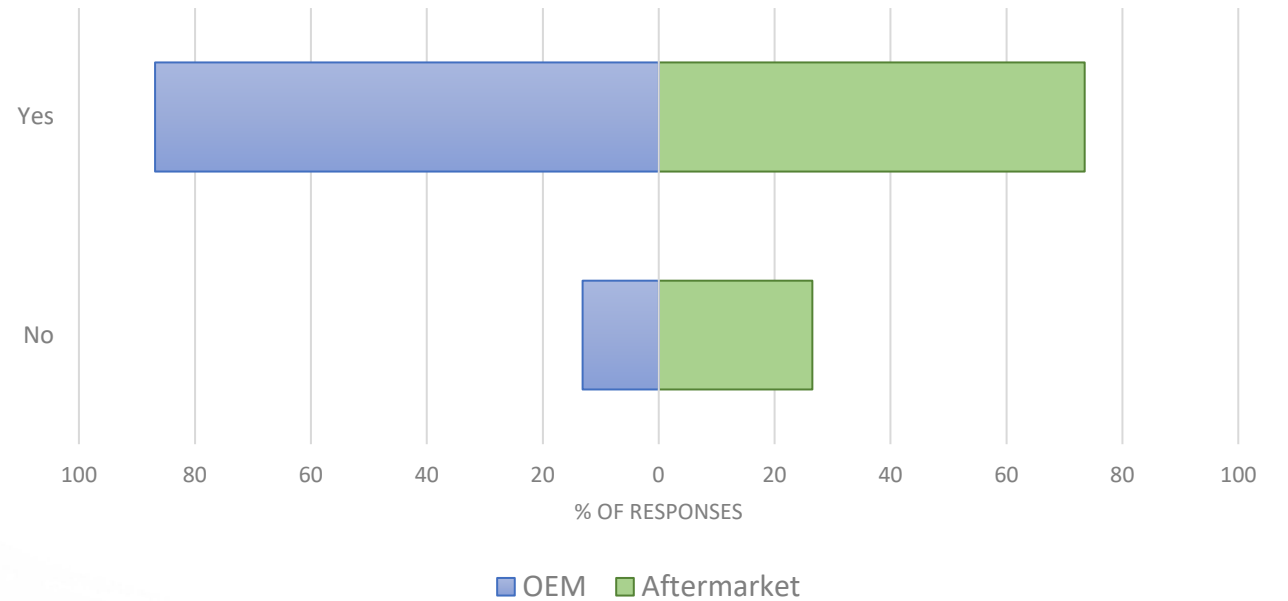
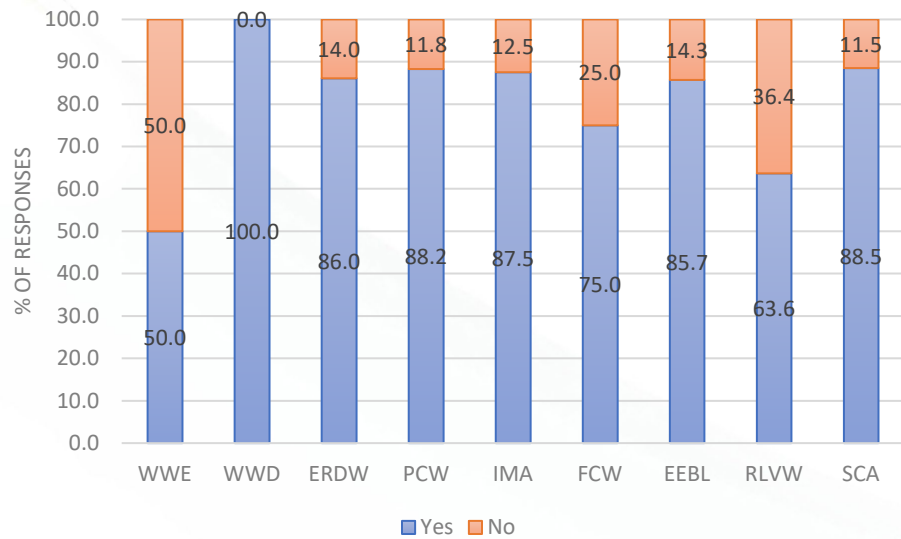
# Warning Delivery - Timing

How was the timing of the warning?



# Warning Delivery - Clarity

Was it clear you were receiving the warning?



# Comments for warnings

## ERDW

- Some of the sounds were disconcerting and it was just telling me to slow down because there was a lot of traffic at the end. I already know how people cut in towards the end and therefore go in the farthest left-hand lane when everyone trying to go to the right.
- The alarm was very distracting. The first time it went off, it startled me, and I nearly had an accident.
- The beep can be toned down by like 10% and be good.
- The warning was for the road above me, not the road I was on.
- Typically came late, often as I was already stopped.

## PCW

- Came when there was no one in the crosswalk.
- Have it all Pedestrian Crossings in the City of Tampa.
- Have only received it once.
- The warning came on after the pedestrian had safely crossed the street.

## FCW

- Does not appear to work on my system.
- Only happened once and I couldn't really see the problem. This was the only indication I have seen that the system works in my car. I thought - oh, I guess someone near me has the system too.
- Received this warning once when I was not on the Selmon Expressway.
- Seems like it was reacting to something that wasn't actually happening at the moment. I received the warning when there was no collision threat.

## RLVW

- I've received this on the Selmon off ramp at Amelie Arena where there are multiple traffic signals and my signal was green.
- The actual traffic signal was green (right turn), but the adjacent through light may have been red.
- The timer was not accurate so even going through a green light, it would still go off as if I ran a red light. Needs more accuracy.
- Usually got a false warning at Twiggs going north on Nebraska.

## SCA

- Countdown hit zero, then restarted.
- Did not always pick up the light.
- I like the countdown, reduces the stress of not knowing when the light will change.
- I've received the countdown when my signal was green.
- Not accurate.
- Sometimes it doesn't count correctly or will get to the end of the countdown but the light is still red.
- This is probably my favorite feature.

