Report of Driver’s Cell Phone Usage

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To reach as many data as possible for this experiment in such a limited time, I applied two methods to collect first-handed data.

First, I started a google survey including four questions: numbers of time driver making phone calls, sending/receiving text messages, using cell phone navigator, and whether the respondent is a university student. Below is the link to my survey.

<https://docs.google.com/forms/d/e/1FAIpQLSfgI7cfXhl6w33nnVbTc9k8sjTjKoBiBqgQtzxXXc2nPTW16Q/viewform?usp=sf_link>

I posted my survey on my Facebook post, and sent it respectively to my friends who didn’t use face book. The group of respondents for my google survey targeted mostly on students. (Actually, 86% of respondents are university students).

Until 0:30 am, May 7th, I received thirty-seventy responses for my google survey. Link to result of google survey is posted as an excel.

<https://docs.google.com/spreadsheets/d/1BXG1AfmjuzmxAKhO7bTsSL0DoUa237OGzwbqzjpdews/edit?usp=sharing>

Secondly, to improve the comprehension of object of study, I proceeded two questionnaire surveys, one of which is on parking lot of Safeway at 50th Street, Brooklyn Avenue, from 7:00 pm to 7:30 pm, Friday, May 4th, another one was proceeded at parking lot of Golden Garden Park from 6:30 pm to 7:30 pm, Saturday, May 5th. Questions included in questionnaire are same as google survey.

Overall, I collected 66 responses for my survey, 37 from google survey and 29 from in person questionnaire.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | 0 Time Phone Call / Observations | 0 Time Text / Observations | 0 Time Navigator / Observations | 0 Time Phone Use/ Observations |
| University Students | 0.61 | 0.61 | 0.31 | 0.29 (9) |
| None-Student Drivers | 0.28 | 0.55 | 0.77 | 0.26 (9) |
| Overall | 0.44 | 0.58 | 0.56 | 0.27 (18) |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Phone Call (times) / week  (mean) | Text (times)/ week  (mean) | Navigator (times) / week  (mean) | Number of observations |
| University Students | 0.67 | 1.10 | 3.37 | 31 |
| None-Student Drivers | 2.13 | 1.45 | 0.44 | 35 (6 + 13 + 16) |
| Overall | 1.44 | 1.29 | 1.80 | 66 |

Based on my observation, 56% of drivers admitted making phone calls while driving, 42% drivers sent/read texts and 56% used cell phone navigator. Among all observations, only 27% drivers prevented any use of cell phone.

I can’t say this observation can be used as an estimation of global driver or US driver’s cell phone usage. Actually, my intention to do this survey was to estimate proportions of various usage (call, text, navigator) of cell phone in both university students and none-student drivers in US, and also to find population difference in cell phone usage between those two groups. For the group of students, I’m 80% confident to my estimation, for respondents included both undergraduate and graduate, huskies and students of other universities. For the group of none-student driver, I don’t think the result is a good estimator, for that respondents mostly live in Seattle, and people who come to supermarket and park cannot represent whole population.