

# Data Appendix

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| Variable                   | N      | Mean      | Std. Dev. | Min         | Pctl. 25 | Pctl. 75  | Max        |
|----------------------------|--------|-----------|-----------|-------------|----------|-----------|------------|
| ridership                  | 115692 | 2775404   | 16834439  | 1           | 74700    | 1004302   | 322725962  |
| reporter_type              | 115692 |           |           |             |          |           |            |
| ... Full Reporter          | 115188 | 100%      |           |             |          |           |            |
| ... Rural Reporter         | 144    | 0%        |           |             |          |           |            |
| ... Small Systems Reporter | 360    | 0%        |           |             |          |           |            |
| tos                        | 115692 |           |           |             |          |           |            |
| ... DO                     | 55872  | 48%       |           |             |          |           |            |
| ... PT                     | 51468  | 44%       |           |             |          |           |            |
| ... TN                     | 1080   | 1%        |           |             |          |           |            |
| ... TX                     | 7272   | 6%        |           |             |          |           |            |
| x3_mode                    | 115692 |           |           |             |          |           |            |
| ... Bus                    | 102984 | 89%       |           |             |          |           |            |
| ... Ferry                  | 2520   | 2%        |           |             |          |           |            |
| ... Other                  | 2880   | 2%        |           |             |          |           |            |
| ... Rail                   | 7308   | 6%        |           |             |          |           |            |
| year                       | 115692 | 2017      | 1.7       | 2014        | 2015     | 2018      | 2019       |
| uza_ridership              | 115692 | 123805759 | 365865279 | 1           | 708766   | 61405243  | 1934647830 |
| state_ridership            | 115692 | 277845039 | 436167436 | 151907      | 22754171 | 279939664 | 1965806629 |
| vrh                        | 115692 | 74397     | 211265    | 0           | 6836     | 60465     | 3262509    |
| med_age                    | 115692 | 37        | 3.8       | 23          | 35       | 38        | 58         |
| pop                        | 115692 | 2819689   | 4536316   | 62112       | 255510   | 3387102   | 19094455   |
| white                      | 115692 | 0.7       | 0.14      | 0           | 0.59     | 0.79      | 0.97       |
| black                      | 115692 | 0.13      | 0.11      | 0           | 0.058    | 0.18      | 0.65       |
| asian                      | 115692 | 0.066     | 0.059     | 0           | 0.027    | 0.083     | 0.44       |
| hispanic                   | 115692 | 0.12      | 0.16      | 0           | 0        | 0.21      | 0.99       |
| poverty                    | 115692 | 0.38      | 0.047     | 0.23        | 0.36     | 0.41      | 0.5        |
| med_house_income           | 115692 | 267319    | 448697    | 1990        | 27338    | 267968    | 2008329    |
| bach                       | 115692 | 62104     | 14986     | 21491       | 51654    | 70154     | 136875     |
| num_vhic_commute           | 115272 | 612352    | 1013732   | 3332        | 39976    | 715888    | 4500207    |
| ridership_pop              | 115692 | 1         | 1.6       | 0.000000052 | 0.096    | 1.3       | 17         |
| agency_id                  | 115692 | 245       | 142       | 1           | 117      | 371       | 492        |
| vehic_per_capita           | 115272 | 0.19      | 0.056     | 0.05        | 0.16     | 0.23      | 0.37       |
| pop_100000                 | 115692 | 28        | 45        | 0.62        | 2.6      | 34        | 191        |
| med_inc_10000              | 115692 | 27        | 45        | 0.2         | 2.7      | 27        | 201        |

Table 1: Summary Statistics

| Var. Name         | Description  | Source |
|-------------------|--|--------|
| ridership         | unlinked passenger trips per month per agency  | NTD    |
| log_ridership     | log of ridership var   | manual |
| ridership_pop     | ridership divided by urbanized area (UZA) population   | manual |
| uza_ridership     | total ridership in the UZA   | manual |
| state_ridership   | total ridership in the state   | manual |
| vrh               | vehicle revenue hours per month per agency   | NTD    |
| tos               | type of service; describes how public transportation services are provided by the transit agency | NTD    |
| x3_mode           | type of transit  | ACS    |
| reporter_type     | type of agency   | NTD    |
| med_age           | median age of the UZA, recorded yearly   | ACS    |
| pop               | population of the UZA, recorded yearly   | ACS    |
| pop_100000        | population divided by 100,000  | ACS    |
| white             | percentage of white people in the UZA, recorded yearly   | ACS    |
| black             | percentage of black people in the UZA, recorded yearly   | ACS    |
| asian             | percentage of asian people in the UZA, recorded yearly   | ACS    |
| hispanic          | percentage of hispanic people in the UZA, recorded yearly  | ACS    |
| poverty           | percentage of people under the poverty line in the UZA, recorded yearly                          | ACS    |
| med_house_income  | median household income in the UZA, recorded yearly  | ACS    |
| med_inc_10000     | median household income divided by 10,000  | manual |
| num_vehic_commute | number of vehicles used for commuting in the UZA, recorded yearly                                | ACS    |
| vehic_per_capita  | number of vehicles used for commuting divided by the population in the UZA, recorded yearly      | manual |

Table 2: Summary Statistics

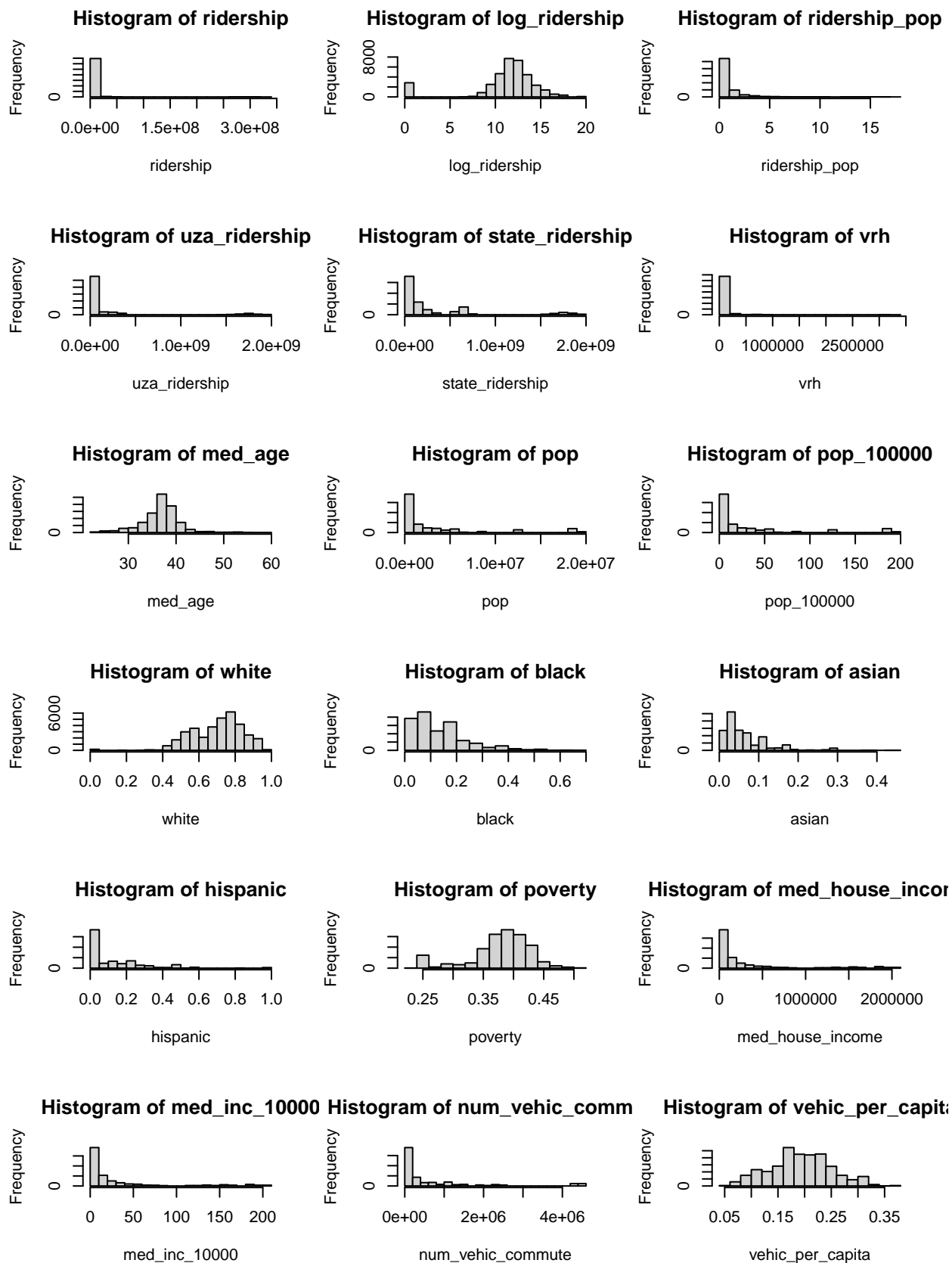


Figure 1: Numerical Variable Histograms

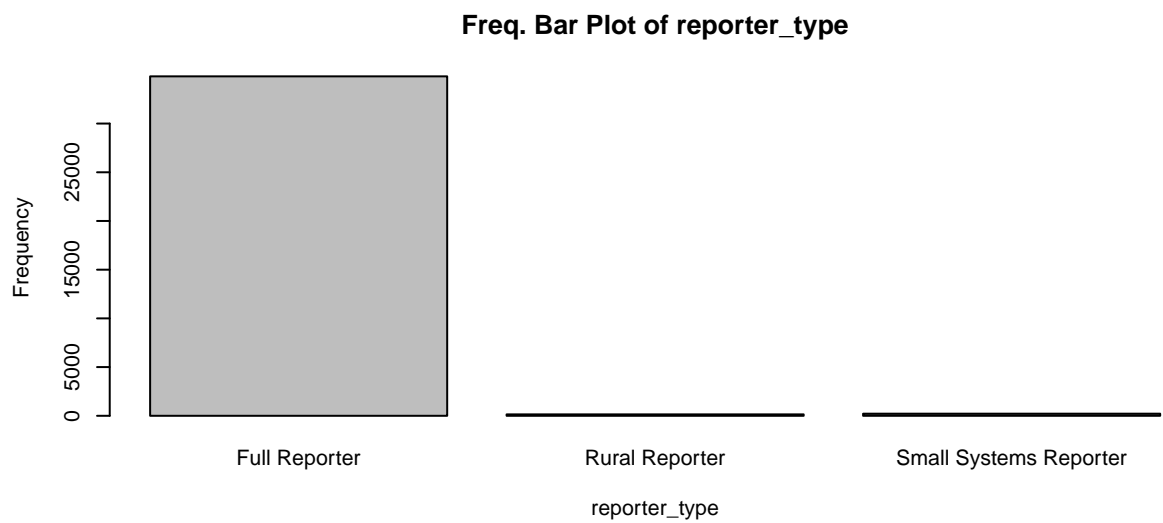
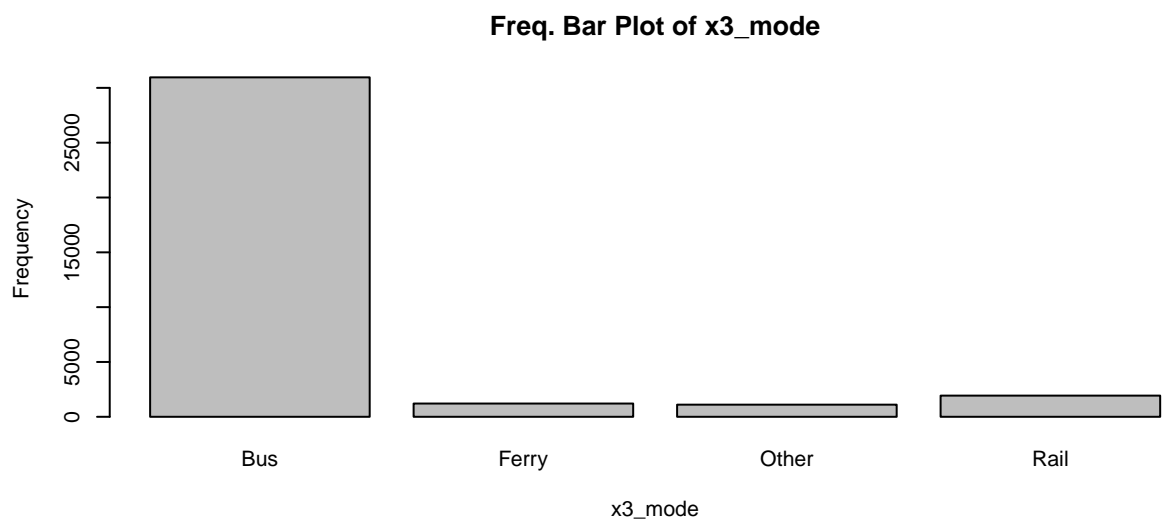
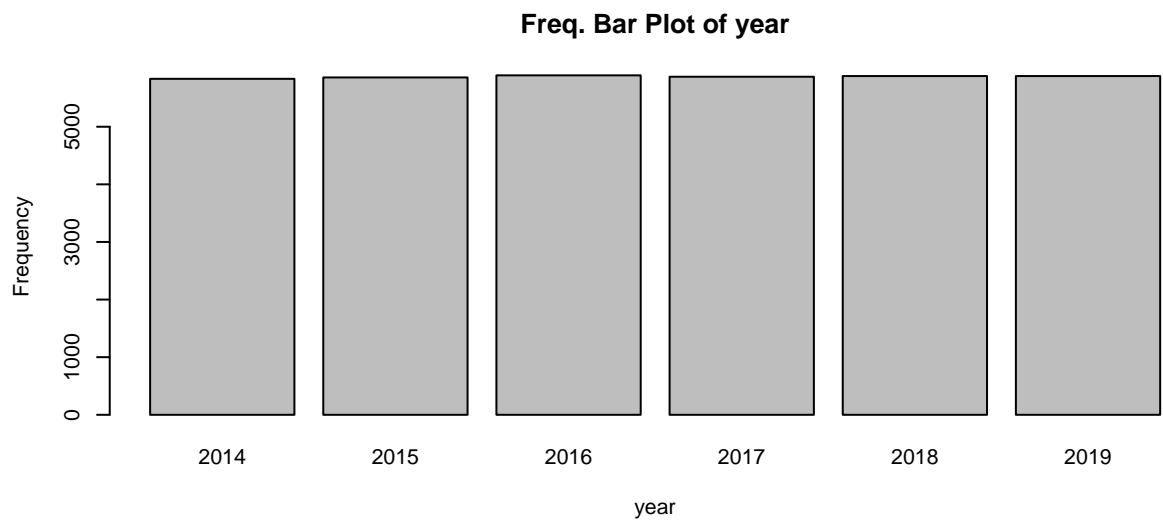


Figure 2: Categorical Variable Plots