MPC-603 Bicycle safety roundabouts

Description of data processing

Data processing

1. Download raw survey data from Qualtrics.
   1. *Process*
      1. Export data as CSV, using numeric values, exporting viewing order, and splitting multi-value fields into columns.
   2. *Outputs*: (Data/Survey)
      1. “Data-Raw.csv”
2. Clean and process raw data.
   1. *Script*: “clean\_data.R”
      1. Format metadata and survey responses. Rename variables. Relevel factors. Created ordered variables. Cleanup display order info.
      2. Anonymize responses. Remove identifying information.
      3. Create cyclist type variable.
   2. *Input*: “Data-Raw.csv”
   3. *Outputs*: (Data/Survey)
      1. “dat1raw.rds”, “dat1raw.csv”, “dat1raw\_names.rds”, “dat1raw\_names.csv”
      2. “dat2anon.rds”, “dat2anon.csv”
      3. “dat3.rds”, “dat3.csv”
3. Create weights for weighted data.
   1. *Process*
      1. Download US Census data from ACS 1-year estimates 2019 PUMS, for adults, about age, education, gender, income, and race.
      2. Combine into one spreadsheet (“Expected.xlsx”). Calculate proportions.
   2. *Outputs*: (Data/Census)
      1. “Expected.csv”