Replicaton package

Shared e-scooter services and road safety: Evidence from six European countries

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Replication package

Data files

- `data\monthly-panel.dta` contains the monthy-city-level panel data that is the basis of all analyses below. As outlined in more detail in the paper and appendix, the data set includes the city-month-specific accident numbers, treatment status, and the city-specific heterogeneity variables.

Code files

- `0 - do all.do` installs Stata dependencies and executes all subsequent analyses by calling the following files in order
- `1 - summary stats.R` creates the city-level summary stats table that is Table 1 in the manuscript.
- `2 - BJS event-study estimates.do` creates all tables and figures using the Borusyak et al. estimator (Figures 1, 6, 7, 8, 9, 10; Tables 2, 10, 12, 13, 14, 15)
- `3 - annualized DiD.do` creates all tables using the annualized DiD (Tables 3, 16)
- `4 - OLS event-study plots.do` computes the ATT-TWFE weights and the OLS-based plots (Figure 4)
- `5 - CS event-study plot.do` computes the event-study plot based on the Callaway Sant'Anna estimator (Figure 5)
- `6 - descriptives.do` creates descriptive figures and tables (Figure 11; Tables 9, 11)
- `7 - city-level analyses.do` city-level analyses (Figure 3; Table 8)
- `8 - poisson and IV.do` analyses for poisson regressions and instrumental variable (Tables 5, 6)
- `9 - synthetic DiD.r` analyses of the synthetic difference-in-differences (Table 7)

Auxiliary code files

- `ado\` contains some additional files. These should all also be available from SSC, but are included to ensure backwards compatibility.

Supplementary material

- The appendix folder includes i) the supplementary online appendix of the paper with additional analyses and details on the data set; ii) two Excel files that include the city-firm-specific sources for the respective rollout dates and the sources for the city-specific cycling modal shares for cities that are not included in the Eurostat data set.