

README for the Reproducibility Package for Direct And Indirect Impacts Of Transport Mobility On Access To Jobs: Evidence From South Africa

Overview

This package provides underlying data and codes to produce the empirical results presented in Policy Research Working Paper “Direct and Indirect Impacts of Transport Mobility on Access to Jobs: Evidence from South Africa” prepared by Atsushi Iimi.

Data Availability

The main original household data, National Households Travel Surveys (NHTS) Years: 2003, 2013, 2020, are publicly available at <https://microdata.worldbank.org/>

Municipal-level tax data from the National Treasury is also available at <https://spatialtaxdata.org.za/>

- ☒ All data are publicly available.
- ☐ Some data cannot be made publicly available.
- ☐ No data can be made publicly available.

Data Sources

- ☒ I certify that the author(s) of the manuscript have legitimate access to and permission to use the data used in this manuscript.

Instructions for Replicators

- Run the main file, SouthAfrica_Travel_Analysis_2025sep30_OpenData.do
- Before running, change the folder path in line 5 to your folder

List of Exhibits

The provided code reproduces:

- ☐ All numbers provided in text in the paper
- ☒ All tables and figures in the paper
- ☐ Selected tables and figures in the paper, as explained and justified below

All regression results will be reproduced, including:

summary statistics: Table 1 OLS results: Table 2 IV results: Table 3 First stage: Table 4 IV results by gender: Table 5 IV results with commuting costs differentiated: Table 6 summary statistics of cost vars: Table 7 Labor force participation Probit: Table 8

All figures related to descriptive statistics and regression will also be reproduced. Other figures and maps are not coded but manually generated using spatial software.

Software Requirements

- Paper results were produced with **Stata version 19.5**.