

Instructions for the replication of Duranton and Turner, REStud (2012)

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1. This archive

It contains 6 files:

1. This ReadMe file.
2. Duranton_Turner_RES2012.dta: The main data file.
3. welfare_by_msa.dta: An ancillary data file to produce the welfare results.
4. D_T_RES2012_main.do: The main do file.
5. D_T_welfare_final.do: The do file that produces the welfare results.
6. cull_welfare2.do: A subroutine called by the previous file.

2. Data creation.

The data relies on the same data sources as the data used in Duranton G. and Turner M.A. (2011) The Fundamental Law of Road Congestion: Evidence from the US. *American Economic Review* 101(6), 2616-2652.

Although the details of the variables used differ given the different focus of this paper, the two data sets are essentially similar since they share the same structure by metropolitan area and rely on the same underlying data sources. The five main sources are (a) the US Highway Performance Monitoring Survey (HPMS, various years), (b) the County Business Patterns (CBP, various years), the US Census (all censuses between 1920 and 2000), the various historical maps described in the paper to produce the instruments and the geographic data produced in Burchfield M., Overman H.G., Puga D. and Turner M.A. (2006) Causes of sprawl: A portrait from space. *Quarterly Journal of Economics* 121(2):587–633.

Duranton and Turner AER (2011) and Burchfield et al. QJE (2006) provide further descriptions of these data and their construction.

3. Replication of results.

To replicate the results:

1. Stata 11 is needed.
2. The files 2-6 described above must be copied in the same directory.
3. A subdirectory called "new_tables" must be created.
4. D_T_RES2012_main.do should run first. This should reproduce all the results in the paper bar the welfare calculations.
5. D_T_welfare_final.do (which calls cull_welfare2.do) should be run. This should replicate the welfare results.