

"THE NETWORK STRUCTURE OF INTERNATIONAL TRADE"

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INSTRUCTIONS FOR REPLICATING THE NUMERICAL SIMULATIONS AND EMPIRICAL ESTIMATIONS:

This file is called README.pdf and is contained in the root directory of the zip file 20111504_data.zip, available from the AER website.

Once unzipped, the folder "20111504_data" contains all the data and programs necessary to replicate my results, with the exception of 8 datasets that are not publicly available. In order to replicate my results, follow these steps:

----- 1 : Create the following 8 datasets -----

--exports86.dta

This dataset contains information on French exporters in 1986.

The data is collected by the French Customs.

The dataset contains the following 3 variables:

siren	: the "SIRENE" firm ID
pay	: the export destination country code
vfte	: the value of exports to that country in 1986

--exports87.dta

Same data as the previous one for the year 1987.

--exports88.dta

Same data as the previous one for the year 1988.

--exports89.dta

Same data as the previous one for the year 1989.

--exports90.dta

Same data as the previous one for the year 1990.

--exports91.dta

Same data as the previous one for the year 1991.

--exports92.dta

Same data as the previous one for the year 1992.

--siren.dta

This dataset contains information on French firms in 1986-1992.

The data is collected by the French Statistical Institute (INSEE).

The dataset contains the following 3 variables:

siren	: the "SIRENE" firm ID
an	: the year
n100	: the industrial sector the firm belongs to

----- 2 : Place the datasets in folders -----

Place the above 8 files in BOTH of the following two folders:
20111504_data/Reduced_Form_Evidence/Input/not for
diffusion/
20111504_data/SMM/Input/not for diffusion/

----- 3 : Replicate Table 1 -----

- (1) In STATA set the correct directory:
cd Your_Computer/20111504_data/Reduced_Form_Evidence/Code/
- (2) Run the STATA do-file:
20111504_data/Reduced_Form_Evidence/Code/panelestimates.do
- (3) The output table is located in:
20111504_data/Reduced_Form_Evidence/Output

----- 4 : Replicate Figures 1 and 2 -----

- (1) In STATA set the directory on your computer to:
cd Your_Computer/20111504_data/Simulations/Code/
- (2) In MATLAB set the current folder to:
Your_Computer/20111504_data/Simulations/Code/
- (3) Run the STATA do-file:
20111504_data/Simulations/Code/Cities_for_Simulations.do
- (4) Run the MATLAB m-file:
20111504_data/Simulations/Code/Simul.m
- (5) Run the STATA do-file:
20111504_data/Simulations/Code/Figures_from_Simulations.do
- (6) The output figure is located in the folder:
20111504_data/Simulations/Output

----- 5 : Replicate Table 2 and Figure 3 -----

- (1) In STATA set the correct directory:
cd Your_Computer/20111504_data/SMM/Code/
- (2) In MATLAB set the current folder to:
Your_Computer/20111504_data/SMM/Code/
- (3) Run the STATA do-file:
20111504_data/SMM/Code/data4smm.do
- (4) Run the MATLAB m-file:
20111504_data/SMM/Code/master.m
- (5) Run the STATA do-file:
20111504_data/SMM/Code/fromSmm.do
- (6) The output table and figure are located in the folder:
20111504_data/SMM/Output