

Code Sample: STATA

```
/*
Instruction:
1. Open Stata.
2. Set the working directory to the repository folder "Global_Cultural_Trade_Network"
3. Run this do-file.
*/

import delimited "data/cleaned/panel_complete.csv", clear

// Landlocked

gen landlock = (landlocked == 1 & landlocked_d == 1)
tab landlock
label variable landlock "1 both countries are landlocked, 0 any of them or both have seaports"

// Development

gen dev = (development == 1) + 2*(development_d == 1) + 1
tab dev
label variable dev "1 developing-developing, 2 developed-developing, 3 developing-developed,
4 developed-developed"

// GDP per capita

gen sum_gdp_pc = log_gdp_pc_d + log_gdp_pc
gen abs_gdp_pc = abs(log_gdp_pc - log_gdp_pc_d)

*****Table 4

// Summary statistics
unique iso_o
unique iso_d
unique dyad
unique year

encode dyad_id, gen(dyad)
xtset dyad year

xtsum unique reproducible noncultural_trade log_gdp_pc sum_gdp_pc abs_gdp_pc log_dist
landlocked

xtsum contig comlang_off colony comcol rta hysteresis_unique hysteresis_reproducible
hysteresis_noncultural_trade development

//PPML
```

```
ssc install reghdfe
ssc install ppmlhdfe, replace
```

```
*****Table 5 (year FE)
```

```
// Baseline gravity/intensive-margin model//
```

```
* Defining the list of dependent variables
```

```
local outcomes unique reproducible noncultural_trade
```

```
* Looping through each outcome variable
```

```
foreach y of local outcomes {
```

```
    ppmlhdfe `y' sum_gdp_pc abs_gdp_pc rta contig comlang_off colony comcol log_dist
landlock i.dev , a(year) vce(cluster dyad) d
}
```

```
// Models with hysteresis
```

```
local outcomes unique reproducible noncultural_trade
```

```
foreach y of local outcomes {
```

```
    ppmlhdfe `y' sum_gdp_pc abs_gdp_pc hysteresis_`y' rta contig comlang_off colony comcol
log_dist landlock i.dev , a(year) vce(cluster dyad) d
}
```

```
// Robustness checks//
```

```
*****Table 6 (Bilateral FE)
```

```
local outcomes unique reproducible noncultural_trade
```

```
foreach y of local outcomes {
```

```
    * 1. Baseline models (Models 1, 3, 5)
```

```
    ppmlhdfe `y' sum_gdp_pc abs_gdp_pc rta contig comlang_off colony comcol log_dist
landlock i.dev , a(dyad year) vce(cluster dyad) d
```

```
    * 2. Models with hysteresis effects (Models 2, 4, 6)
```

```
    ppmlhdfe `y' sum_gdp_pc abs_gdp_pc hysteresis_`y' rta contig comlang_off colony comcol
log_dist landlock i.dev , a(dyad year) vce(cluster dyad) d
}
```

```
*****Table 6 (Exporter-year, Importer-year FE)
```

```
egen exp_year = group(iso_o year)
egen imp_year = group(iso_d year)
```

local outcomes unique reproducible noncultural_trade

foreach y of local outcomes {

* 1. Baseline models (Models 1, 3, 5)

ppmlhdfe `y' sum_gdp_pc abs_gdp_pc rta contig comlang_off colony comcol log_dist
landlock i.dev , a(exp_year imp_year) vce(cluster dyad) d

* 2. Models with hysteresis effects (Models 2, 4, 6)

ppmlhdfe `y' sum_gdp_pc abs_gdp_pc hysteresis_`y' rta contig comlang_off colony comcol
log_dist landlock i.dev , a(exp_year imp_year) vce(cluster dyad) d

}

*****Table 6 (Combined Dyad + Exporter-Year + Importer-Year FE)

local outcomes unique reproducible noncultural_trade

foreach y of local outcomes {

* 1. Baseline models (Models 1, 3, 5)

ppmlhdfe `y' sum_gdp_pc abs_gdp_pc rta contig comlang_off colony comcol log_dist
landlock i.dev , a(dyad exp_year imp_year) vce(cluster dyad) d

* 2. Models with hysteresis effects (Models 2, 4, 6)

ppmlhdfe `y' sum_gdp_pc abs_gdp_pc hysteresis_`y' rta contig comlang_off colony comcol
log_dist landlock i.dev , a(dyad exp_year imp_year) vce(cluster dyad) d

}