Panel Data and Fixed Effects – Supplement

04 Nov 2026 | Chapter 10

ECO 351 – Introduction to Econometrics

Shi Qiu – Fall 2026

Supplement: preparing the two-date data

```
. keep if inlist(year,1982,1988)
. keep state year fatality beertax
. reshape wide fatality beertax, i(state) j(year)
. generate double dy = fatality1988-fatality1982
. generate double dx = beertax1988-beertax1982
```

Supplement: the reshape result

```
. reshape wide fatality beertax, i(state) j(year)
(j = 1982 1988)
Data                               Long   ->   Wide
-----------------------------------------------------------------------------
Number of observations               96   ->   48
Number of variables                   4   ->   5
j variable (2 values)              year   ->   (dropped)
xij variables:
                                fatality   ->   fatality1982 fatality1988
                                 beertax   ->   beertax1982 beertax1988
-----------------------------------------------------------------------------
```