Appendix: Stata Commands

Horizontal Innovation

In what follows, n denotes the number of firms per capita and t denotes time.

```
nl log3: n t, vce(hac nw)

nl log3: n t, vce(robust)

predict u, residuals (obtain residuals)

sktest u (normality tests)

dfgls u, notrend (D-F (GLS) test)

dfuller u, noconstant lags(9) (Augmented D-F test)

pperron u, noconstant (Phillips-Perron test)
```

Vertical Innovation

In what follows, lnT denotes the natural logaritm of TFP and t denotes time.