Recent Advances in the Field of Trade Theory and Policy Analysis Using Micro-Level Data

July 2012

Bangkok, Thailand

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Binary dependent variable models in Stata

- Limited dependent variable models in cross section
- Panel data applications

Limited dependent variable models in cross section

- Stata has two built in models for dealing with binary dependent variables
  - *Probit depvar indepvar1 indepvar2 …, options*
  - *Logit depvar indepvar1 indepvar2 …, options*

- Generally speaking, results from these two models are quite close. Except in special cases, there is no general rule to prefer one over the other

- Example: health insurance coverage
  - See "lim_dep_var.do" and explanations therein

Panel data applications

- Probit and logit can both be estimated with random effects:
- To obtain probit and logit results with random effects by "id":
  - *xtset id*
  - *xtprobit depvar indepvar1 indepvar2 …, re*
  - *xtlogit depvar indepvar1 indepvar2 …, re*

- Logit models can be consistently estimated with fixed effects, and should be preferred to probit in panel data settings
- To obtain logit results with fixed effects by "id":
  - *xtset id*
  - *xtlogit depvar indepvar1 indepvar2 …, fe*

预览已结束，完整报告链接和二维码如下：

https://www.yunbaogao.cn/report/index/report?reportId=5_7498