STATA®
Statistics/Data analysis

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```
1 . do "C:\Users\erlan\AppData\Local\Temp\STD3f7c_000000.tmp"

2 . cmset id set alternative
  note: case identifier _caseid generated from id and set.
  note: panel by alternatives identifier _panelaltid generated from id and
        alternative.

                      Panel data: Panels id and time set
               Case ID variable: _caseid
           Alternatives variable: alternative
  Panel by alternatives variable: _panelaltid (strongly balanced)
                   Time variable: set, 1 to 4
                           Delta: 1 unit

  Note: Data have been xtset.

3 . global zlist land cost labor loan

4 . global ylist choice

5 . global alternative alternative

6 . generate lncost = -1*cost

7 . global lnnormalden "lncost"

8 . tabulate $ylist
```

choice	Freq.	Percent	Cum.
0	1,056	80.00	80.00
1	264	20.00	100.00
Total	1,320	100.00	

```
9 . summarize $id $alternative $ylist $xlist
```

Variable	Obs	Mean	Std. dev.	Min	Max
alternative	1,320	3	1.41475	1	5
choice	1,320	.2	.4001516	0	1

```
10. cmclogit choice land lncost labor loan
  note: data were cmset as panel data, and the default vcetype for panel data is
        vce(cluster id); see cmclogit.
  note: 1 case (5 obs) dropped due to no positive outcome per case.
  note: 1 case (5 obs) dropped due to multiple positive outcomes per case.

  Iteration 0:   log pseudolikelihood = -361.66788
  Iteration 1:   log pseudolikelihood = -357.26449
  Iteration 2:   log pseudolikelihood = -357.23659
  Iteration 3:   log pseudolikelihood = -357.23659

  Conditional logit choice model              Number of obs    =      1,310
  Case ID variable: _caseid                   Number of cases  =        262

  Alternatives variable: alternative          Alts per case: min =          5
                                                             avg =        5.0
                                                             max =          5

                                              Wald chi2(4)     =      19.75
  Log pseudolikelihood = -357.23659           Prob > chi2      =     0.0006
```

choice	Coefficient	Robust std. err.	z	P>|z|	[95% conf. interval]	
alternative						
land	-.4626938	.164255	-2.82	0.005	-.7846277	-.14076
lncost	.0005903	.0002185	2.70	0.007	.0001619	.0010186
labor	-.4149737	.1860156	-2.23	0.026	-.7795576	-.0503898
loan	-.3304751	.2713342	-1.22	0.223	-.8622804	.2013302
1	(base alternative)					
2						
_cons	.3977033	.1639065	2.43	0.015	.0764524	.7189542
3						
_cons	.1708178	.3712327	0.46	0.645	-.5567849	.8984204
4						
_cons	-.384866	.2789324	-1.38	0.168	-.9315635	.1618314
5						
_cons	-1.088128	.5445164	-2.00	0.046	-2.155361	-.0208957

11.
end of do-file

12. estat ic, n(1320)

Akaike's information criterion and Bayesian information criterion

Model	N	ll(null)	ll(model)	df	AIC	BIC
.	1,320	.	-357.2366	8	730.4732	771.9563