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Description

`eteffects` estimates the average treatment effect (ATE), the average treatment effect on the treated (ATET), and the potential-outcome means (POMs) from observational data when treatment assignment is correlated with the potential outcomes. It allows for continuous, binary, count, fractional, and non-negative outcomes and requires a binary treatment. To control for the endogeneity of the treatment assignment, the estimator includes residuals from the treatment model in the models for the potential outcomes, known as a control-function approach.

Quick start

ATE of binary treatment `treat` using a linear model for outcome `y1` on `x` and the residuals from a probit model for `treat` on `x` and `z`

```
eteffects (y1 x) (treat x z)
```

Same as above, but estimate ATET

```
eteffects (y1 x) (treat x z), atet
```

Same as above, but estimate POMs

```
eteffects (y1 x) (treat x z), pomeans
```

Same as above, and show parameters from auxiliary equations

```
eteffects (y1 x) (treat x z), pomeans aequations
```

ATE of `treat` using an exponential-mean model for `y1`

```
eteffects (y1 x, exponential) (treat x z)
```

Same as above, but for count outcome `y2`

```
eteffects (y2 x, exponential) (treat x z)
```

Same as above, but use a probit model for binary outcome `y3`

```
eteffects (y3 x, probit) (treat x z)
```

Same as above, but use a fractional probit model for `y4` ranging from 0 to 1

```
eteffects (y4 x, fractional) (treat x z)
```

Menu

- Statistics > Causal inference/treatment effects > Endogenous treatment > Control function estimator > Continuous outcomes
- Statistics > Causal inference/treatment effects > Endogenous treatment > Control function estimator > Binary outcomes
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Syntax

```
eteffects (ovar omvarlist [ , omodel noconstant ] )  
          (tvar tmvarlist [ , noconstant ] ) [ if ] [ in ] [ weight ] [ , stat options ]
```

ovar is the *depvar* of the outcome model.
omvarlist is the list of exogenous *indepvars* in the outcome model.
tvar is the binary treatment variable.
tmvarlist is the list of covariates that predict treatment assignment.

<i>omodel</i>	Description
Model	
linear	linear outcome model; the default
fractional	fractional probit outcome model
probit	probit outcome model
exponential	exponential-mean outcome model

<i>stat</i>	Description
Model	
ate	estimate average treatment effect in population; the default
atet	estimate average treatment effect on the treated
<u>pomeans</u>	estimate potential-outcome means

<i>options</i>	Description
Model	
<code>noconstant</code>	suppress constant term
SE/Robust	
<code>vce(vcetype)</code>	<i>vcetype</i> may be <code>robust</code> , <code>cluster clustvar</code> , <code>bootstrap</code> , or <code>jackknife</code>
Reporting	
<code>level(#)</code>	set confidence level; default is <code>level(95)</code>
<code>aequations</code>	display auxiliary-equation results
<code>display_options</code>	control columns and column formats, row spacing, line width, display of omitted variables and base and empty cells, and factor-variable labeling
Maximization	
<code>maximize_options</code>	control the maximization process; seldom used
Advanced	
<code>pstolerance(#)</code>	set tolerance for overlap assumption
<code>osample(newvar)</code>	generate <i>newvar</i> to mark observations that violate the overlap assumption
<code>coeflegend</code>	display legend instead of statistics

omvarlist and *tmvarlist* may contain factor variables; see [U] 11.4.3 Factor variables.

bayesboot, *bootstrap*, *by*, *collect*, *jackknife*, and *statsby* are allowed; see [U] 11.1.10 Prefix commands.

Weights are not allowed with the *bootstrap* prefix; see [R] *bootstrap*.

fweights, *iweights*, and *pweights* are allowed; see [U] 11.1.6 *weight*.

coeflegend does not appear in the dialog box.

See [U] 20 Estimation and postestimation commands for more capabilities of estimation commands.

Options

Model
<code>noconstant</code> ; see [R] Estimation options.
<i>stat</i> is one of three statistics: <i>ate</i> , <i>atet</i> , or <i>pomeans</i> . <i>ate</i> is the default.
<i>ate</i> specifies that the average treatment effect be estimated.
<i>atet</i> specifies that the average treatment effect on the treated be estimated.
<i>pomeans</i> specifies that the potential-outcome means for each treatment level be estimated.
SE/Robust
<code>vce(vcetype)</code> specifies the type of standard error reported, which includes types that are robust to some kinds of misspecification (<code>robust</code>), that allow for intragroup correlation (<code>cluster clustvar</code>), and that use bootstrap or jackknife methods (<code>bootstrap</code> , <code>jackknife</code>); see [R] <i>vce_option</i> .
Reporting
<code>level(#)</code> ; see [R] Estimation options.

`aequations` specifies that the results for the outcome-model or the treatment-model parameters be displayed. By default, the results for these auxiliary parameters are not displayed.

`display_options`: `noci`, `nopvalues`, `noomitted`, `vsquish`, `noemptycells`, `baselevels`, `allbaselevels`, `nofvlabel`, `fvwrap(#)`, `fvwrapon(style)`, `cformat(%fmt)`, `pformat(%fmt)`, `sformat(%fmt)`, and `nolstretch`; see [R] [Estimation options](#).

Maximization

`maximize_options`: `iterate(#)`, `[no]log`, and `from(init_specs)`; see [R] [Maximize](#). These options are seldom used.

`init_specs` is one of

`matname [, skip copy]`

`# [, # ...], copy`

Advanced

`pstolerance(#)` specifies the tolerance used to check the overlap assumption. The default value is `pstolerance(1e-5)`. `eteffects` will exit with an error if an observation has an estimated propensity score smaller than that specified by `pstolerance()`.

`osample(newvar)` specifies that indicator variable `newvar` be created to identify observations that violate the overlap assumption.

The following option is available with `eteffects` but is not shown in the dialog box:

`coeflegend`; see [R] [Estimation options](#).

Remarks and examples

If you are unfamiliar with treatment-effects estimators for observational data or the `teffects` commands, we recommend that you look at [\[CAUSAL\] teffects intro](#). For the intuition behind some of the concepts discussed below, we recommend that you read *Defining treatment effects* in [\[CAUSAL\] teffects intro advanced](#).

The estimators implemented in `eteffects` extend the regression adjustment (RA) estimators implemented in `teffects ra` to allow for endogenous treatments, that is, when treatment assignment is not independent of outcomes. This endogeneity is a violation of the conditional mean independence assumption used by `teffects ra`, as discussed in *The potential-outcome model* in [\[CAUSAL\] teffects intro advanced](#).

`eteffects` estimates the average treatment effect (ATE), the average treatment effect on the treated (ATET), and the potential-outcome means (POMs). It uses a linear, a probit, a fractional probit, or an exponential-mean model for the potential outcomes and a probit model for treatment assignment. After conditioning on the observable covariates, `eteffects` allows some remaining unobservable components to affect both treatment assignment and the potential outcomes. The treatment assignment process is endogenous because these unobservable components affect both treatment assignment and the potential outcomes.

To control for the endogeneity of the treatment assignment, `eteffects` uses a control-function approach. This method controls for endogeneity by including the residuals from the treatment-assignment model as a regressor in the models for the potential outcome. The implementation in `eteffects` follows Wooldridge (2010), who provides an excellent discussion of the control-function approach that addresses endogeneity problems in a treatment-effects context.

The control-function approach estimates the parameters of the conditional means of the potential outcomes. Sample averages of the conditional means are used to estimate the unconditional ATE, ATET, or POMs. This method is known as RA.

Taken collectively, the estimators implemented in `eteffects` are control-function RA estimators. See *Methods and formulas* below for details about the estimation procedure.

▷ Example 1: Linear outcome estimates for ATE

Suppose we want to know the effect of a mother smoking while pregnant on the birthweight of her infant. We use an extract from Cattaneo (2010) in which `bweight` records the baby's birthweight and `mbsmoke` is the variable (0 or 1) indicating whether a mother smoked while pregnant.

We may believe that birthweight (the potential outcome) is influenced by whether the mother had a prenatal exam in the first trimester, whether the mother is married, the mother's age, whether this is the first birth, and the education level of the father. We may also believe that the smoking decision (the treatment) is influenced by the mother's marital status, the education level of the mother, her age, whether she had a prenatal exam in the first trimester, and whether this baby is her first baby.

Thus we condition on different sets of covariates in the models for treatment assignment and the potential outcomes. In the probit model for smoking status (`mbsmoke`), we condition on marital status (`mmarried`), age (`mage`), mother's education level (`medu`), father's education level (`fedu`), and whether it was the mother's first baby (`fbaby`). We model birthweight (`bweight`) as a linear function of whether the mother had a first-trimester prenatal exam (`prenatal1`), `mmarried`, `mage`, and `fbaby`. We can estimate the ATE of smoking status using one of the `teffects` estimators if we believe that there are no unobservable components that affect both the decision to smoke while pregnant and the potential birthweights.

If we believe there is some unobservable factor that affects both assignment to treatment and the potential outcome, we must select another estimator. For example, we do not observe a mother's health consciousness, which affects both the smoking decision and each potential birthweight through other behaviors such as intake of prenatal vitamins. Under these assumptions, the estimators in `eteffects` consistently estimate the ATE, but the estimators in `[CAUSAL] teffects` yield inconsistent estimates.

```
. use https://www.stata-press.com/data/r19/cattaneo2
(Excerpt from Cattaneo (2010) Journal of Econometrics 155: 138-154)
. eteffects (bweight i.prenatal1 i.mmarried mage i.fbaby)
> (mbsmoke i.mmarried mage i.fbaby medu fedu)

Iteration 0: EE criterion = 4.739e-24
Iteration 1: EE criterion = 2.524e-25

Endogenous treatment-effects estimation      Number of obs = 4,642
Outcome model: linear
Treatment model: probit
```

bweight	Robust		z	P> z	[95% conf. interval]	
	Coefficient	std. err.				
ATE						
mbsmoke (Smoker vs Nonsmoker)	-455.9119	212.4393	-2.15	0.032	-872.2853	-39.53852
POmean						
mbsmoke Nonsmoker	3437.964	31.21145	110.15	0.000	3376.791	3499.138

When no mother smokes, the average birthweight is 3,438 grams. The average birthweight is 456 grams less when all mothers smoke than when no mother smokes.

We can compare these results with those obtained if we ignore the endogeneity of the smoking decision. Below we estimate the ATE using the inverse-probability-weighted regression-adjustment estimator in [\[CAUSAL\] teffects ipwra](#).

```
. teffects ipwra (bweight i.prenatal1 i.mmarried mage i.fbaby)
> (mbsmoke i.mmarried mage i.fbaby medu fedu)

Iteration 0: EE criterion = 3.036e-22
Iteration 1: EE criterion = 3.755e-26

Treatment-effects estimation      Number of obs      =      4,642
Estimator      : IPW regression adjustment
Outcome model  : linear
Treatment model: logit
```

bweight	Robust		z	P> z	[95% conf. interval]	
	Coefficient	std. err.				
ATE						
mbsmoke (Smoker vs Nonsmoker)	-233.6835	25.07695	-9.32	0.000	-282.8335	-184.5336
POmean						
mbsmoke Nonsmoker	3403.191	9.529709	357.11	0.000	3384.513	3421.869

In magnitude, the estimated ATE is more than half the estimate that allows for endogenous treatment assignment. If there is endogeneity, disregarding it underestimates the effect of smoking on birthweight. We show how to test for endogeneity in [example 1](#) of [\[CAUSAL\] eteffects postestimation](#).

► Example 2: Estimating the ATET

Continuing [example 1](#), we can use the `atet` option to estimate the ATET.

```
. eteffects (bweight i.prenatal1 i.mmarrried mage i.fbaby)
> (mbsmoke i.mmarrried mage i.fbaby medu fedu), atet

Iteration 0:  EE criterion = 4.659e-24
Iteration 1:  EE criterion = 1.479e-25

Endogenous treatment-effects estimation      Number of obs = 4,642
Outcome model: linear
Treatment model: probit
```

bweight	Robust		z	P> z	[95% conf. interval]	
	Coefficient	std. err.				
ATET						
mbsmoke						
(Smoker						
vs						
Nonsmoker)	-409.8527	161.4816	-2.54	0.011	-726.3507	-93.35466
POmean						
mbsmoke						
Nonsmoker	3547.512	160.0595	22.16	0.000	3233.801	3861.223

In the population of mothers who smoke, the average infant birthweight would be 3,548 grams if none of these mothers smoked. For the mothers who smoke, the average infant birthweight is 410 grams less than if none of these mothers smoked.



► Example 3: Exponential-mean outcomes

We estimate the ATE of living in an urban area on monthly earnings (wage), using a subset of the National Longitudinal Survey in 1980 found in [Wooldridge \(2010\)](#). We assume that once we condition on work experience (exper), whether education level attained is college or higher (college), and IQ (iq), individual wages follow an exponential mean. The variables used to predict residence in an urban area (urban) are college and whether the respondent's father attained a bachelor's degree or higher (fcollege).

```
. use https://www.stata-press.com/data/r19/nlsy80
. eteffects (wage exper iq i.college, exponential nocons)
> (urban i.college fcollege)

Iteration 0: EE criterion = 2.903e-25
Iteration 1: EE criterion = 2.903e-25 (backed up)

Endogenous treatment-effects estimation          Number of obs = 935
Outcome model: exponential
Treatment model: probit
```

		Robust				
wage		Coefficient	std. err.	z	P> z	[95% conf. interval]
ATE	urban					
	(1 vs 0)	481.0465	31.74882	15.15	0.000	418.82 543.2731
POmean	urban					
	0	233.8083	13.51028	17.31	0.000	207.3286 260.288

When everyone lives outside urban areas, wages are \$234 a month on average. Wages are \$481 a month greater, on average, when everyone lives in urban areas.



Stored results

`eteffects` stores the following in `e()`:

Scalars

<code>e(N)</code>	number of observations
<code>e(nj)</code>	number of observations for treatment level j
<code>e(k_eq)</code>	number of equations in <code>e(b)</code>
<code>e(k_levels)</code>	number of levels in treatment variable
<code>e(rank)</code>	rank of <code>e(V)</code>
<code>e(converged)</code>	1 if converged, 0 otherwise

Macros

<code>e(cmd)</code>	<code>eteffects</code>
<code>e(cmdline)</code>	command as typed
<code>e(depvar)</code>	name of outcome variable
<code>e(tvar)</code>	name of treatment variable
<code>e(omodel)</code>	fractional, linear, probit, or exponential
<code>e(stat)</code>	statistic estimated, <code>ate</code> , <code>atet</code> , or <code>pomeans</code>
<code>e(wtype)</code>	weight type
<code>e(wexp)</code>	weight expression
<code>e(title)</code>	title in estimation output
<code>e(tlevels)</code>	levels of treatment variable
<code>e(vce)</code>	<i>vce</i> type specified in <code>vce()</code>
<code>e(vcetype)</code>	title used to label Std. err.
<code>e(properties)</code>	<code>b V</code>
<code>e(estat_cmd)</code>	program used to implement <code>estat</code>
<code>e(predict)</code>	program used to implement <code>predict</code>
<code>e(marginsnotok)</code>	predictions disallowed by <code>margins</code>
<code>e(asbalanced)</code>	factor variables <code>fvset</code> as <code>asbalanced</code>
<code>e(asobserved)</code>	factor variables <code>fvset</code> as <code>asobserved</code>

Matrices

<code>e(b)</code>	coefficient vector
<code>e(V)</code>	variance–covariance matrix of the estimators

Functions

<code>e(sample)</code>	marks estimation sample
------------------------	-------------------------

In addition to the above, the following is stored in `r()`:

Matrices

<code>r(table)</code>	matrix containing the coefficients with their standard errors, test statistics, p -values, and confidence intervals
-----------------------	---

Note that results stored in `r()` are updated when the command is replayed and will be replaced when any `r-class` command is run after the estimation command.

Methods and formulas

The treatment-effects models considered in `eteffects` are given by

$$y_{i0} = E(y_{i0}|\mathbf{x}_i) + \epsilon_{i0} \quad (1)$$

$$y_{i1} = E(y_{i1}|\mathbf{x}_i) + \epsilon_{i1} \quad (2)$$

$$t_i = E(t_i|\mathbf{z}_i) + \nu_i \quad (3)$$

$$y_i = t_i y_{i1} + (1 - t_i) y_{i0} \quad (4)$$

$$E(\epsilon_{ij}|\mathbf{x}_i, \mathbf{z}_i) = E(\epsilon_{ij}|\mathbf{z}_i) = E(\epsilon_{ij}|\mathbf{x}_i) = 0 \quad \text{for } j \in \{0, 1\} \quad (5)$$

$$E(\epsilon_{ij}|t) \neq 0 \quad \text{for } j \in \{0, 1\} \quad (6)$$

where the subscript i denotes individual level observations, y_{i1} is the potential outcome of receiving the treatment, y_{i0} is the potential outcome when the treatment is not received, t_i is the observed binary treatment, and y_i is the observed outcome. Each one of the potential outcomes is determined by its expected value conditional on a set of regressors \mathbf{x}_i and an unobserved random component ϵ_{ij} , for $j \in \{0, 1\}$. Similarly, the treatment is given by its expectation conditional on a set of regressors \mathbf{z}_i , which does not need to differ from \mathbf{x}_i , and an unobserved component ν_i .

Equations (1)–(5) describe the parametric treatment-effects models in [\[CAUSAL\] teffects](#). Equation (6) adds endogeneity to the framework. It states that the unobservables in the potential-outcome equations are correlated to treatment status. For our birthweight example, this would happen if mothers who do not smoke are more health conscious than those who smoke and if we do not observe health awareness in our data. If we do not observe health awareness, the decision to smoke or not to smoke is not independent of the infant's birthweight.

Equations (3), (5), and (6) are the basis of the control-function estimator implemented by `eteffects`. Equation (5) states that the unobserved components in the potential outcome are independent of \mathbf{z}_i . Therefore, the correlation between t_i and the unobserved components must be equivalent to the correlation between ϵ_{ij} and ν_i . Another way of stating this is

$$\text{from (3)} \quad E(\epsilon_{ij}|t_i) = E(\epsilon_{ij}|E(t|\mathbf{z}_i) + \nu_i)$$

$$\begin{aligned} \text{from (5)} \quad &= E(\epsilon_{ij}|\nu_i) \\ &= \nu_i \beta_{2j} \end{aligned}$$

We fit (3) using a probit estimator. We then obtain $\hat{\nu}_i$ as the difference between the treatment and our estimate of $E(t_i|\mathbf{z}_i)$ and use this statistic to compute an estimate of $E(y_{ij}|\mathbf{x}_i, \nu_i, t_i)$ for $j \in \{0, 1\}$. If the outcome is linear, for instance,

$$E(y_{ij}|\mathbf{x}_i, \nu_i, t_i = j) = \mathbf{x}'_i \beta_{1j} + \nu_i \beta_{2j} \quad \text{for } j \in \{0, 1\} \quad (7)$$

For the probit and exponential-mean cases, respectively, we have the following:

$$E(y_{ij}|\mathbf{x}_i, \nu_i, t_i = j) = \Phi(\mathbf{x}'_i \beta_{1j} + \nu_i \beta_{2j}) \quad (8)$$

$$E(y_{ij}|\mathbf{x}_i, \nu_i, t_i = j) = \exp(\mathbf{x}'_i \beta_{1j} + \nu_i \beta_{2j}) \quad (9)$$

The parameters of (3) and (7)–(9), and the ATE, ATET, and POMs are estimated using the generalized method of moments (GMM). The moment equations used in GMM are the sample analogs of $E\{\mathbf{w}'_i \epsilon_i(\theta)\} = 0$, where \mathbf{w}_i are the instruments, $\epsilon_i(\theta)$ are residuals, and θ are the parameters of the model (see [R] gmm). The moment conditions in the GMM estimation for the linear model are given by

$$\frac{1}{n} \sum_{i=1}^n \mathbf{x}'_i (y_i - \mathbf{x}'_i \widehat{\beta}_{1j} + \widehat{\nu}_i \widehat{\beta}_{2j}) t_i = 0 \quad (10)$$

$$\frac{1}{n} \sum_{i=1}^n \mathbf{x}'_i (y_i - \mathbf{x}'_i \widehat{\beta}_{1j} + \widehat{\nu}_i \widehat{\beta}_{2j}) (1 - t_i) = 0 \quad (11)$$

$$\frac{1}{n} \sum_{i=1}^n \mathbf{z}'_i \left\{ t_i \frac{\phi(\mathbf{z}'_i \widehat{\pi})}{\Phi(\mathbf{z}'_i \widehat{\pi})} - (1 - t_i) \frac{\phi(\mathbf{z}'_i \widehat{\pi})}{1 - \Phi(\mathbf{z}'_i \widehat{\pi})} \right\} = 0 \quad (12)$$

$$\frac{1}{n} \sum_{i=1}^n \left\{ (\mathbf{x}'_i \widehat{\beta}_{10} + \widehat{\nu}_i \widehat{\beta}_{20}) - \widehat{\text{POM0}} \right\} = 0$$

$$\frac{1}{n} \sum_{i=1}^n \left\{ (\mathbf{x}'_i \widehat{\beta}_{11} + \widehat{\nu}_i \widehat{\beta}_{21}) - \widehat{\text{POM0}} - \widehat{\text{ATE}} \right\} = 0 \quad (13)$$

where $\widehat{\nu}_i = t_i - \Phi(\mathbf{z}'_i \widehat{\pi})$, n is the number of observations, and $\widehat{\beta}_{11}, \widehat{\beta}_{10}, \widehat{\beta}_{21}, \widehat{\beta}_{20}, \widehat{\pi}, \widehat{\text{ATE}}$, and $\widehat{\text{POM0}}$ are the parameters. If we want to estimate the ATET, we replace (13) with

$$\frac{1}{n} \sum_{i=1}^n \left\{ (\mathbf{x}'_i \widehat{\beta}_{11} + \widehat{\nu}_i \widehat{\beta}_{21}) \frac{n}{n_t} - \widehat{\text{POM0}} \frac{n}{n_t} - \widehat{\text{ATE}} \right\} = 0$$

and if we want to estimate the potential-outcome means, we replace (13) with

$$\frac{1}{n} \sum_{i=1}^n \left\{ (\mathbf{x}'_i \widehat{\beta}_{11} + \widehat{\nu}_i \widehat{\beta}_{21}) - \widehat{\text{POM1}} \right\} = 0 \quad (14)$$

where $\widehat{\text{ATE}}$ and $\widehat{\text{POM1}}$ are the parameters of the model, and n_t is the number of treated units.

For the exponential-mean outcome model, we replace $\mathbf{x}'_i \widehat{\beta}_{1j} + \widehat{\nu}_i \widehat{\beta}_{2j}$ with $\exp(\mathbf{x}'_i \widehat{\beta}_{1j} + \widehat{\nu}_i \widehat{\beta}_{2j})$ to obtain the residual equations in (10)–(14). For the probit outcome model, we replace (10) and (11) with the following:

$$\begin{aligned} \frac{1}{n} \sum_{i=1}^n t_i \mathbf{x}'_i \left\{ y_i \frac{\phi(\mathbf{x}'_i \widehat{\beta}_{1j} + \widehat{\nu}_i \widehat{\beta}_{2j})}{\Phi(\mathbf{x}'_i \widehat{\beta}_{1j} + \widehat{\nu}_i \widehat{\beta}_{2j})} - (1 - y_i) \frac{\phi(\mathbf{x}'_i \widehat{\beta}_{1j} + \widehat{\nu}_i \widehat{\beta}_{2j})}{1 - \Phi(\mathbf{x}'_i \widehat{\beta}_{1j} + \widehat{\nu}_i \widehat{\beta}_{2j})} \right\} &= 0 \\ \frac{1}{n} \sum_{i=1}^n (1 - t_i) \mathbf{x}'_i \left\{ y_i \frac{\phi(\mathbf{x}'_i \widehat{\beta}_{1j} + \widehat{\nu}_i \widehat{\beta}_{2j})}{\Phi(\mathbf{x}'_i \widehat{\beta}_{1j} + \widehat{\nu}_i \widehat{\beta}_{2j})} - (1 - y_i) \frac{\phi(\mathbf{x}'_i \widehat{\beta}_{1j} + \widehat{\nu}_i \widehat{\beta}_{2j})}{1 - \Phi(\mathbf{x}'_i \widehat{\beta}_{1j} + \widehat{\nu}_i \widehat{\beta}_{2j})} \right\} &= 0 \end{aligned}$$

For the remaining equations, $\mathbf{x}'_i \widehat{\beta}_{1j} + \widehat{\nu}_i \widehat{\beta}_{2j}$ is replaced with $\Phi(\mathbf{x}'_i \widehat{\beta}_{1j} + \widehat{\nu}_i \widehat{\beta}_{2j})$. The fractional probit model uses the same moment conditions as the probit model.

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Also see

- [CAUSAL] **eteffects postestimation** — Postestimation tools for eteffects
- [CAUSAL] **etregress** — Linear regression with endogenous treatment effects
- [CAUSAL] **teffects** — Treatment-effects estimation for observational data
- [R] **gmm** — Generalized method of moments estimation
- [R] **probit** — Probit regression
- [R] **regress** — Linear regression
- [U] **20 Estimation and postestimation commands**

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