



Title

rdmcpplot — Plots for Regression Discontinuity Designs with Multiple Cutoffs.

Syntax

```
rdmcpplot depvar runvar [if] [in] [, cvar(string) hvar(string) pvar(string)  
      noscatter nodraw ]
```

Description

rdmcpplot plots estimated regression functions at each cutoff in regression discontinuity designs with multiple cutoffs.

A detailed introduction to this command is given in [Cattaneo, Titiunik and Gonzalo Vazquez-Bare \(2018\)](#).

Companion R functions are also available [here](#).

This command employs the Stata (and R) package [rdrobust](#) for underlying calculations. See [Calonico, Cattaneo and Titiunik \(2014\)](#) and [Calonico, Cattaneo, Farrell and Titiunik \(2017\)](#) for more details.

Related Stata and R packages useful for inference in RD designs are described in the following website:

<https://sites.google.com/site/rdpackages/>

Options

cvar(*string*) specifies the numeric variable containing the RD cutoff for *indepvar* for each unit in the sample.

hvar(*string*) specifies the bandwidths to be passed to **rdplot**. See **help rdrobust** for details.

pvar(*string*) specifies the order of the polynomials to be passed to **rdplot**. See **help rdrobust** for details.

noscatter omits the scatter plot.

nodraw omits plot.

Examples

Standard use of **rdmcpplot**

```
. rdmcpplot yvar xvar, c(cvar)
```

rdmcpplot without scatter plot

```
. rdmcpplot yvar xvar, c(cvar) noscatter
```

Saved results

rdmcpplot saves the following in **r()**:

Scalars

r(p)	order of the polynomial
r(cnum)	number of cutoffs

Macros

r(cvar)	cutoff variable
r(clist)	cutoff list

References

- Calonico, S., M. D. Cattaneo, M. H. Farrell, and R. Titiunik. 2017. rdrobust: Software for Regression Discontinuity Designs. *Stata Journal* 17(2): 372-404.
- Calonico, S., M. D. Cattaneo, and R. Titiunik. 2014. Robust Data-Driven Inference in the Regression-Discontinuity Design. *Stata Journal* 14(4): 909-946.
- Cattaneo, M. D., Frandsen, B., and R. Titiunik. 2015. Randomization Inference in the Regression Discontinuity Design: An Application to Party Advantages in the U.S. Senate. *Journal of Causal Inference* 3(1): 1-24.
- Cattaneo, M. D., R. Titiunik, and G. Vazquez-Bare. 2018. Power Calculations for Regression Discontinuity Designs. Working paper, University of Michigan.

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