```
      name:  <unnamed>
       log:  C:\Users\kalka\Google Drive\international political economy\vietnam\jjps.smcl
  log type:  smcl
 opened on:   4 Jun 2020, 11:05:02

. ********************************************
. * globals (change this according to your own working directory configuration)
.  global dir "C:\Users\kalka\Google Drive\international political economy\vietnam"

.
.  /*
>  ** data files that sould be in this working directory
>         - jjps.dta
>         - pew2017_indo.dta
>         - pew2017_phil.dta
>         - vietnam2014_jjps.dta
>         - fav.dta
>  */
. ********************************************
. cd "$dir"
C:\Users\kalka\Google Drive\international political economy\vietnam

.
. * model 1: benchmark
. use jjps, clear

.
. rdrobust ChEcon birth, kernel(tri) bwselect(mserd) c(1983) ///
>         covs(income urban)

Covariate-adjusted sharp RD estimates using local polynomial regression.

   Cutoff c = 1983 | Left of c  Right of c           Number of obs =       910
-------------------+----------------------           BW type       =     mserd
     Number of obs |       414         496           Kernel        = Triangular
Eff. Number of obs |        94         106           VCE method    =        NN
    Order est. (p) |         1           1
    Order bias (q) |         2           2
       BW est. (h) |     3.873       3.873
       BW bias (b) |     8.372       8.372
         rho (h/b) |     0.463       0.463

Outcome: ChEcon. Running variable: birth.

------------------------------------------------------------------------------
      Method |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
Conventional |   -.43382     .16487   -2.6312   0.009    -.756963    -.110671
      Robust |          -          -   -2.7888   0.005    -.906839    -.158278
------------------------------------------------------------------------------
Covariate-adjusted estimates. Additional covariates included: 2

.
.         * Figure 3
.         rdplot ChEcon birth if birth>1949 /*just to make it less ugly */, kernel(tri) bwselect(m
>         shade ci(95) graph_options(legend(off) xtitle("cut=born in 1983")) c(1983)

RD Plot with evenly spaced mimicking variance number of bins using spacings estimators.

      Cutoff c = 1983 | Left of c  Right of c           Number of obs =       906
----------------------+----------------------           Kernel        = Triangular
        Number of obs |       407         499
   Eff. Number of obs |       407         499
  Order poly. fit (p) |         4           4
     BW poly. fit (h) |    33.000      16.000
 Number of bins scale |     1.000       1.000
```

Outcome: ChEcon. Running variable: birth.

	Left of **c**	Right of **c**
Bins selected	**19**	**43**
Average bin length	**1.737**	**0.372**
Median bin length	**1.737**	**0.372**
IMSE-optimal bins	**3**	**3**
Mimicking Var. bins	**19**	**43**
Rel. to IMSE-optimal:		
Implied scale	**6.333**	**14.333**
WIMSE var. weight	**0.004**	**0.000**
WIMSE bias weight	**0.996**	**1.000**

```
.         gr export rdd.eps, replace
(file rdd.eps written in EPS format)

.
. * model 2:      CERRD
. use jjps, clear

.
. rdrobust ChEcon birth, kernel(tri) bwselect(cerrd) c(1983) ///
>         covs(income urban)
```

Covariate-adjusted sharp RD estimates using local polynomial regression.

Cutoff c = 1983	Left of **c**	Right of **c**
Number of obs	**414**	**496**
Eff. Number of obs	**60**	**76**
Order est. (p)	**1**	**1**
Order bias (q)	**2**	**2**
BW est. (h)	**2.754**	**2.754**
BW bias (b)	**8.372**	**8.372**
rho (h/b)	**0.329**	**0.329**

Number of obs	=	**910**
BW type	=	**cerrd**
Kernel	=	**Triangular**
VCE method	=	**NN**

Outcome: ChEcon. Running variable: birth.

Method	Coef.	Std. Err.	z	P>|z|	[95% Conf.	Interval]
Conventional	**-.60249**	**.22014**	**-2.7368**	**0.006**	**-1.03397**	**-.17102**
Robust	**-**	**-**	**-2.8367**	**0.005**	**-1.13045**	**-.206628**

Covariate-adjusted estimates. Additional covariates included: 2

```
.
. * model 3: Local Randomization
. use jjps, clear

.
```

```
.         ** density test
.                 * rddensity birth, c(1983)
.         ** falsification analysis
.                 * rdwinselect birth, c(1983) nwindows(1)
. rdrandinf ChEcon birth, seed(100) wl(1982) wr(1984) c(1983) interfci(.05)

Selected window = [1982 ; 1984]

Running randomization-based test...
Randomization-based test complete.


Inference for sharp design
```

Cutoff c = **1983.00**	Left of c	Right of c
Number of obs	**420**	**499**
Eff. Number of obs	**29**	**49**
Mean of outcome	**0.586**	**0.306**
S.D. of outcome	**0.501**	**0.466**
Window	**1982.000**	**1984.000**

Number of obs =	**919**
Order of poly =	**0**
Kernel type =	**uniform**
Reps =	**1000**
Window =	**set by user**
H0: tau =	**0.000**
Randomization =	**fixed margins**

Outcome: **ChEcon**. Running variable: **birth**.

	Finite sample	Large sample	
Statistic	T	P>|T|	P>|T| Power vs d = **0.25**
Diff. in means	**-0.280**	**0.012**	**0.014** **0.591**

Confidence interval under interference

Statistic	[95% Conf.	Interval]
Diff. in means	**-0.494**	**-0.055**

```
.
. * model 4: Fuzzy RD
. use jjps, clear

.
. rdrobust ChEcon x, kernel(tri) bwselect(mserd) ///
>                 covs(urban income) fuzzy(frd)
WARNING: bandwidths automatically computed for sharp RD estimation because perfect compliance was

Covariate-adjusted sharp RD estimates using local polynomial regression.
```

Cutoff c = 0	Left of **c**	Right of **c**
Number of obs	**414**	**496**
Eff. Number of obs	**94**	**106**
Order est. (p)	**1**	**1**
Order bias (q)	**2**	**2**
BW est. (h)	**3.680**	**3.680**
BW bias (b)	**8.069**	**8.069**
rho (h/b)	**0.456**	**0.456**

Number of obs =	**910**
BW type =	**mserd**
Kernel =	**Triangular**
VCE method =	**NN**

First-stage estimates. Outcome: frd. Running variable: x.

Method	Coef.	Std. Err.	z	P>|z|	[95% Conf.	Interval]
Conventional	**1.0049**	**.0041**	**244.8418**	**0.000**	**.996841**	**1.01293**
Robust	**-**	**-**	**206.1643**	**0.000**	**.996146**	**1.01527**

Treatment effect estimates. Outcome: ChEcon. Running variable: x. Treatment Status: frd.

Method	Coef.	Std. Err.	z	P>|z|	[95% Conf.	Interval]
Conventional	**-.44076**	**.16595**	**-2.6560**	**0.008**	**-.766014**	**-.115513**
Robust	**-**	**-**	**-2.8294**	**0.005**	**-.931284**	**-.169054**

Covariate-adjusted estimates. Additional covariates included: 2

```
.
. * model 5: Indonesia
. use pew2017_indo, clear

.
.         gen income = d_income_indonesia

.         recode income 98=. 99=.
(income: 10 changes made)

.
.         rdrobust ChEcon birth, kernel(tri) bwselect(mserd) c(1983) ///
>         covs(income urban)
```

Covariate-adjusted sharp RD estimates using local polynomial regression.

Cutoff c = 1983	Left of **c**	Right of **c**
Number of obs	**463**	**389**
Eff. Number of obs	**107**	**132**
Order est. (p)	**1**	**1**
Order bias (q)	**2**	**2**
BW est. (h)	**4.203**	**4.203**
BW bias (b)	**6.958**	**6.958**
rho (h/b)	**0.604**	**0.604**

Number of obs = **852**
BW type = **mserd**
Kernel = **Triangular**
VCE method = **NN**

Outcome: ChEcon. Running variable: birth.

Method	Coef.	Std. Err.	z	P>|z|	[95% Conf.	Interval]
Conventional	**.09485**	**.14935**	**0.6351**	**0.525**	**-.197869**	**.387574**
Robust	**-**	**-**	**0.3185**	**0.750**	**-.310208**	**.430578**

Covariate-adjusted estimates. Additional covariates included: 2

```
.
. * model 6: The Philippines
. use pew2017_phil, clear
```

```
.
.         gen income = d_income_philippines

.         recode income 98=. 99=.
(income: 25 changes made)

.
.         rdrobust ChEcon birth, kernel(tri) bwselect(mserd) c(1983) ///
>         covs(income urban)
```

Covariate-adjusted sharp RD estimates using local polynomial regression.

Cutoff c = 1983	Left of **c**	Right of **c**
Number of obs	**520**	**383**
Eff. Number of obs	**115**	**142**
Order est. (p)	**1**	**1**
Order bias (q)	**2**	**2**
BW est. (h)	**5.911**	**5.911**
BW bias (b)	**9.385**	**9.385**
rho (h/b)	**0.630**	**0.630**

Number of obs	=	**903**	
BW type	=	**mserd**	
Kernel	=	**Triangular**	
VCE method	=	**NN**	

Outcome: ChEcon. Running variable: birth.

Method	Coef.	Std. Err.	z	P>|z|	[95% Conf.	Interval]
Conventional	**.11233**	**.14732**	**0.7625**	**0.446**	**-.176415**	**.401077**
Robust	**-**	**-**	**0.6678**	**0.504**	**-.239836**	**.487754**

Covariate-adjusted estimates. Additional covariates included: 2

```
.
. * model 7: Vietnam 2014 data
. cd "$dir"
C:\Users\kalka\Google Drive\international political economy\vietnam

. use vietnam2014_jjps, clear

.
. gen income = Q149VIE

. recode income 98=. 99=.
(income: 24 changes made)

.
. gen urban = Q180VIE

.
. rdrobust ChEcon birth,  ///
>         c(1983) kernel(tri) bwselect(mserd) covs(income urban)
```

Covariate-adjusted sharp RD estimates using local polynomial regression.

Cutoff c = 1983	Left of **c**	Right of **c**
Number of obs	**527**	**388**
Eff. Number of obs	**61**	**71**
Order est. (p)	**1**	**1**
Order bias (q)	**2**	**2**
BW est. (h)	**2.974**	**2.974**
BW bias (b)	**5.822**	**5.822**
rho (h/b)	**0.511**	**0.511**

Number of obs	=	**915**
BW type	=	**mserd**
Kernel	=	**Triangular**
VCE method	=	**NN**

Outcome: ChEcon. Running variable: birth.

Method	Coef.	Std. Err.	z	P>|z|	[95% Conf.	Interval]
Conventional	**-.33978**	**.18366**	**-1.8501**	**0.064**	**-.699752**	**.020185**
Robust	**-**	**-**	**-1.8060**	**0.071**	**-.857584**	**.035057**

Covariate-adjusted estimates. Additional covariates included: 2

```
.
. * model 8: favorability
. use fav, clear

.
. rdrobust china birth, kernel(tri) bwselect(mserd) c(1983) ///
>         covs(income urban)
```

Covariate-adjusted sharp RD estimates using local polynomial regression.

Cutoff c = 1983	Left of **c**	Right of **c**		
Number of obs	**350**	**611**	Number of obs =	**961**
Eff. Number of obs	**104**	**207**	BW type =	**mserd**
Order est. (p)	**1**	**1**	Kernel =	**Triangular**
Order bias (q)	**2**	**2**	VCE method =	**NN**
BW est. (h)	**6.196**	**6.196**		
BW bias (b)	**11.818**	**11.818**		
rho (h/b)	**0.524**	**0.524**		

Outcome: china. Running variable: birth.

Method	Coef.	Std. Err.	z	P>|z|	[95% Conf.	Interval]
Conventional	**-.33917**	**.19727**	**-1.7193**	**0.086**	**-.725817**	**.047486**
Robust	**-**	**-**	**-1.6641**	**0.096**	**-.851899**	**.069559**

Covariate-adjusted estimates. Additional covariates included: 2

```
.
. * model 9:      composite index
. use jjps, clear

.
. rdrobust add_ch birth3, ///
>         kernel(tri) bwselect(mserd) c(1983) covs(income urban)
```

Covariate-adjusted sharp RD estimates using local polynomial regression.

Cutoff c = 1983	Left of **c**	Right of **c**		
Number of obs	**366**	**465**	Number of obs =	**831**
Eff. Number of obs	**98**	**135**	BW type =	**mserd**
Order est. (p)	**1**	**1**	Kernel =	**Triangular**
Order bias (q)	**2**	**2**	VCE method =	**NN**
BW est. (h)	**4.277**	**4.277**		
BW bias (b)	**8.142**	**8.142**		
rho (h/b)	**0.525**	**0.525**		

Outcome: add_ch. Running variable: birth3.

Method	Coef.	Std. Err.	z	P>|z|	[95% Conf.	Interval]
Conventional	**-.48285**	**.29752**	**-1.6229**	**0.105**	**-1.06598**	**.100278**
Robust	**-**	**-**	**-1.7968**	**0.072**	**-1.33264**	**.057877**

Covariate-adjusted estimates. Additional covariates included: 2

```
.
. * model 10: Russia
. use jjps, clear

.
. rdrobust russia birth, kernel(tri) bwselect(mserd) c(1983) ///
>         covs(income urban)
```

Covariate-adjusted sharp RD estimates using local polynomial regression.

Cutoff c = 1983	Left of **c**	Right of **c**
Number of obs	**432**	**508**
Eff. Number of obs	**109**	**154**
Order est. (p)	**1**	**1**
Order bias (q)	**2**	**2**
BW est. (h)	**4.583**	**4.583**
BW bias (b)	**7.946**	**7.946**
rho (h/b)	**0.577**	**0.577**

Number of obs =	**940**
BW type =	**mserd**
Kernel =	**Triangular**
VCE method =	**NN**

Outcome: russia. Running variable: birth.

Method	Coef.	Std. Err.	z	P>|z|	[95% Conf.	Interval]
Conventional	**.04887**	**.21936**	**0.2228**	**0.824**	**-.381067**	**.478801**
Robust	**-**	**-**	**0.3343**	**0.738**	**-.447481**	**.631508**

Covariate-adjusted estimates. Additional covariates included: 2

```
.
.
. * Figure 4. Placebo
. use jjps, clear

.
. gen beta = .
(1,000 missing values generated)

. gen lo = .
(1,000 missing values generated)

. gen hi = .
(1,000 missing values generated)

.
. forvalues i=1979(1)1987 {
  2. rdrobust ChEcon birth, c(`i') kernel(tri) bwselect(mserd)  ///
>         covs(urban male)
  3.
. replace beta = e(tau_cl) if birth==`i'
  4.          replace lo = e(ci_l_rb) if birth==`i'
  5.          replace hi = e(ci_r_rb) if birth==`i'
  6.
. }
```

Covariate-adjusted sharp RD estimates using local polynomial regression.

Cutoff c = 1979	Left of **c**	Right of **c**
Number of obs	**309**	**610**
Eff. Number of obs	**85**	**160**
Order est. (p)	**1**	**1**
Order bias (q)	**2**	**2**
BW est. (h)	**5.516**	**5.516**
BW bias (b)	**9.972**	**9.972**
rho (h/b)	**0.553**	**0.553**

Number of obs =	**919**
BW type =	**mserd**
Kernel =	**Triangular**
VCE method =	**NN**

Outcome: ChEcon. Running variable: birth.

Method	Coef.	Std. Err.	z	P>|z|	[95% Conf.	Interval]
Conventional	-.10452	.14129	-0.7398	0.459	-.381444	.172403
Robust	-	-	-0.7617	0.446	-.472671	.208106

Covariate-adjusted estimates. Additional covariates included: 2
(17 real changes made)
(17 real changes made)
(17 real changes made)

Covariate-adjusted sharp RD estimates using local polynomial regression.

Cutoff c = 1980	Left of **c**	Right of **c**
Number of obs	326	593
Eff. Number of obs	84	170
Order est. (p)	1	1
Order bias (q)	2	2
BW est. (h)	5.433	5.433
BW bias (b)	9.419	9.419
rho (h/b)	0.577	0.577

Number of obs = **919**
BW type = **mserd**
Kernel = **Triangular**
VCE method = **NN**

Outcome: ChEcon. Running variable: birth.

Method	Coef.	Std. Err.	z	P>|z|	[95% Conf.	Interval]
Conventional	.08434	.13779	0.6120	0.541	-.185735	.354407
Robust	-	-	0.6101	0.542	-.23072	.439253

Covariate-adjusted estimates. Additional covariates included: 2
(35 real changes made)
(35 real changes made)
(35 real changes made)

Covariate-adjusted sharp RD estimates using local polynomial regression.

Cutoff c = 1981	Left of **c**	Right of **c**
Number of obs	360	559
Eff. Number of obs	107	166
Order est. (p)	1	1
Order bias (q)	2	2
BW est. (h)	5.740	5.740
BW bias (b)	9.512	9.512
rho (h/b)	0.603	0.603

Number of obs = **919**
BW type = **mserd**
Kernel = **Triangular**
VCE method = **NN**

Outcome: ChEcon. Running variable: birth.

Method	Coef.	Std. Err.	z	P>|z|	[95% Conf.	Interval]
Conventional	.15802	.11447	1.3805	0.167	-.066334	.382374
Robust	-	-	1.3281	0.184	-.088196	.458988

Covariate-adjusted estimates. Additional covariates included: 2
(33 real changes made)
(33 real changes made)
(33 real changes made)

Covariate-adjusted sharp RD estimates using local polynomial regression.

Cutoff c = 1982	Left of **c**	Right of **c**
Number of obs	**391**	**528**
Eff. Number of obs	**102**	**135**
Order est. (p)	**1**	**1**
Order bias (q)	**2**	**2**
BW est. (h)	**4.490**	**4.490**
BW bias (b)	**7.422**	**7.422**
rho (h/b)	**0.605**	**0.605**

Number of obs = **919**
BW type = **mserd**
Kernel = **Triangular**
VCE method = **NN**

Outcome: ChEcon. Running variable: birth.

Method	Coef.	Std. Err.	z	P>|z|	[95% Conf.	Interval]
Conventional	**.24222**	**.13598**	**1.7812**	**0.075**	**-.024303**	**.508734**
Robust	**-**	**-**	**1.2623**	**0.207**	**-.123676**	**.571247**

Covariate-adjusted estimates. Additional covariates included: 2
(30 real changes made)
(30 real changes made)
(30 real changes made)

Covariate-adjusted sharp RD estimates using local polynomial regression.

Cutoff c = 1983	Left of **c**	Right of **c**
Number of obs	**420**	**499**
Eff. Number of obs	**94**	**106**
Order est. (p)	**1**	**1**
Order bias (q)	**2**	**2**
BW est. (h)	**3.883**	**3.883**
BW bias (b)	**8.471**	**8.471**
rho (h/b)	**0.458**	**0.458**

Number of obs = **919**
BW type = **mserd**
Kernel = **Triangular**
VCE method = **NN**

Outcome: ChEcon. Running variable: birth.

Method	Coef.	Std. Err.	z	P>|z|	[95% Conf.	Interval]
Conventional	**-.43873**	**.16517**	**-2.6562**	**0.008**	**-.762459**	**-.114998**
Robust	**-**	**-**	**-2.8069**	**0.005**	**-.909371**	**-.16157**

Covariate-adjusted estimates. Additional covariates included: 2
(29 real changes made)
(29 real changes made)
(29 real changes made)

Covariate-adjusted sharp RD estimates using local polynomial regression.

Cutoff c = 1984	Left of **c**	Right of **c**
Number of obs	**448**	**471**
Eff. Number of obs	**122**	**163**
Order est. (p)	**1**	**1**
Order bias (q)	**2**	**2**
BW est. (h)	**4.697**	**4.697**
BW bias (b)	**7.807**	**7.807**
rho (h/b)	**0.602**	**0.602**

Number of obs = **919**
BW type = **mserd**
Kernel = **Triangular**
VCE method = **NN**

Outcome: ChEcon. Running variable: birth.

Method	Coef.	Std. Err.	z	P>|z|	[95% Conf.	Interval]
Conventional	-.06466	.1366	-0.4734	0.636	-.332389	.203069
Robust	-	-	-0.2990	0.765	-.390675	.287244

Covariate-adjusted estimates. Additional covariates included: 2
(23 real changes made)
(23 real changes made)
(23 real changes made)

Covariate-adjusted sharp RD estimates using local polynomial regression.

Cutoff c = 1985	Left of **c**	Right of **c**
Number of obs	469	450
Eff. Number of obs	49	100
Order est. (p)	1	1
Order bias (q)	2	2
BW est. (h)	2.729	2.729
BW bias (b)	5.322	5.322
rho (h/b)	0.513	0.513

Number of obs = 919
BW type = mserd
Kernel = Triangular
VCE method = NN

Outcome: ChEcon. Running variable: birth.

Method	Coef.	Std. Err.	z	P>|z|	[95% Conf.	Interval]
Conventional	.09274	.21785	0.4257	0.670	-.334245	.519723
Robust	-	-	0.7326	0.464	-.323523	.7097

Covariate-adjusted estimates. Additional covariates included: 2
(29 real changes made)
(29 real changes made)
(29 real changes made)

Covariate-adjusted sharp RD estimates using local polynomial regression.

Cutoff c = 1986	Left of **c**	Right of **c**
Number of obs	496	423
Eff. Number of obs	76	150
Order est. (p)	1	1
Order bias (q)	2	2
BW est. (h)	3.358	3.358
BW bias (b)	5.536	5.536
rho (h/b)	0.607	0.607

Number of obs = 919
BW type = mserd
Kernel = Triangular
VCE method = NN

Outcome: ChEcon. Running variable: birth.

Method	Coef.	Std. Err.	z	P>|z|	[95% Conf.	Interval]
Conventional	-.05342	.17157	-0.3113	0.756	-.389696	.282864
Robust	-	-	-0.3055	0.760	-.527745	.385392

Covariate-adjusted estimates. Additional covariates included: 2
(32 real changes made)
(32 real changes made)
(32 real changes made)

Covariate-adjusted sharp RD estimates using local polynomial regression.

Cutoff c = 1987	Left of **c**	Right of **c**
Number of obs	**526**	**393**
Eff. Number of obs	**78**	**166**
Order est. (p)	**1**	**1**
Order bias (q)	**2**	**2**
BW est. (h)	**3.640**	**3.640**
BW bias (b)	**6.718**	**6.718**
rho (h/b)	**0.542**	**0.542**

Number of obs = **919**
BW type = **mserd**
Kernel = **Triangular**
VCE method = **NN**

Outcome: ChEcon. Running variable: birth.

Method	Coef.	Std. Err.	z	P>|z|	[95% Conf.	Interval]
Conventional	**-.2354**	**.1562**	**-1.5071**	**0.132**	**-.541539**	**.07074**
Robust	**-**	**-**	**-1.4410**	**0.150**	**-.661581**	**.100959**

```
Covariate-adjusted estimates. Additional covariates included: 2
(45 real changes made)
(45 real changes made)
(45 real changes made)

.         *
.
. forvalues i= 1(1)3 {
  2. gen beta`i'=.
  3. gen lo`i'=.
  4. gen hi`i'=.
  5.
. }
(1,000 missing values generated)
(1,000 missing values generated)
(1,000 missing values generated)
(1,000 missing values generated)
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(1,000 missing values generated)
(1,000 missing values generated)

. *
.
. forvalues i=1979(1)1982         {
  2. rdrobust ChEcon birth, c(`i') kernel(tri) bwselect(mserd)  ///
>         covs(urban male)
  3.
. replace beta1 = e(tau_cl) if birth==`i'
  4.          replace lo1 = e(ci_l_rb) if birth==`i'
  5.          replace hi1 = e(ci_r_rb) if birth==`i'
  6.
. }
```

Covariate-adjusted sharp RD estimates using local polynomial regression.

Cutoff c = 1979	Left of **c**	Right of **c**
Number of obs	**309**	**610**
Eff. Number of obs	**85**	**160**
Order est. (p)	**1**	**1**
Order bias (q)	**2**	**2**
BW est. (h)	**5.516**	**5.516**
BW bias (b)	**9.972**	**9.972**
rho (h/b)	**0.553**	**0.553**

Number of obs = **919**
BW type = **mserd**
Kernel = **Triangular**
VCE method = **NN**

Outcome: ChEcon. Running variable: birth.

Method	Coef.	Std. Err.	z	P>|z|	[95% Conf.	Interval]
Conventional	-.10452	.14129	-0.7398	0.459	-.381444	.172403
Robust	-	-	-0.7617	0.446	-.472671	.208106

Covariate-adjusted estimates. Additional covariates included: 2
(17 real changes made)
(17 real changes made)
(17 real changes made)

Covariate-adjusted sharp RD estimates using local polynomial regression.

Cutoff c = 1980	Left of **c**	Right of **c**
Number of obs	326	593
Eff. Number of obs	84	170
Order est. (p)	1	1
Order bias (q)	2	2
BW est. (h)	5.433	5.433
BW bias (b)	9.419	9.419
rho (h/b)	0.577	0.577

Number of obs = **919**
BW type = **mserd**
Kernel = **Triangular**
VCE method = **NN**

Outcome: ChEcon. Running variable: birth.

Method	Coef.	Std. Err.	z	P>|z|	[95% Conf.	Interval]
Conventional	.08434	.13779	0.6120	0.541	-.185735	.354407
Robust	-	-	0.6101	0.542	-.23072	.439253

Covariate-adjusted estimates. Additional covariates included: 2
(35 real changes made)
(35 real changes made)
(35 real changes made)

Covariate-adjusted sharp RD estimates using local polynomial regression.

Cutoff c = 1981	Left of **c**	Right of **c**
Number of obs	360	559
Eff. Number of obs	107	166
Order est. (p)	1	1
Order bias (q)	2	2
BW est. (h)	5.740	5.740
BW bias (b)	9.512	9.512
rho (h/b)	0.603	0.603

Number of obs = **919**
BW type = **mserd**
Kernel = **Triangular**
VCE method = **NN**

Outcome: ChEcon. Running variable: birth.

Method	Coef.	Std. Err.	z	P>|z|	[95% Conf.	Interval]
Conventional	.15802	.11447	1.3805	0.167	-.066334	.382374
Robust	-	-	1.3281	0.184	-.088196	.458988

Covariate-adjusted estimates. Additional covariates included: 2
(33 real changes made)
(33 real changes made)
(33 real changes made)

Covariate-adjusted sharp RD estimates using local polynomial regression.

Cutoff c = 1982	Left of **c**	Right of **c**
Number of obs	**391**	**528**
Eff. Number of obs	**102**	**135**
Order est. (p)	**1**	**1**
Order bias (q)	**2**	**2**
BW est. (h)	**4.490**	**4.490**
BW bias (b)	**7.422**	**7.422**
rho (h/b)	**0.605**	**0.605**

Number of obs = **919**
BW type = **mserd**
Kernel = **Triangular**
VCE method = **NN**

Outcome: ChEcon. Running variable: birth.

Method	Coef.	Std. Err.	z	P>|z|	[95% Conf.	Interval]
Conventional	**.24222**	**.13598**	**1.7812**	**0.075**	**-.024303**	**.508734**
Robust	**-**	**-**	**1.2623**	**0.207**	**-.123676**	**.571247**

Covariate-adjusted estimates. Additional covariates included: 2
(30 real changes made)
(30 real changes made)
(30 real changes made)

```
. *
.
. rdrobust ChEcon birth, c(1983) kernel(tri) bwselect(mserd)  ///
>         covs(urban male)
```

Covariate-adjusted sharp RD estimates using local polynomial regression.

Cutoff c = 1983	Left of **c**	Right of **c**
Number of obs	**420**	**499**
Eff. Number of obs	**94**	**106**
Order est. (p)	**1**	**1**
Order bias (q)	**2**	**2**
BW est. (h)	**3.883**	**3.883**
BW bias (b)	**8.471**	**8.471**
rho (h/b)	**0.458**	**0.458**

Number of obs = **919**
BW type = **mserd**
Kernel = **Triangular**
VCE method = **NN**

Outcome: ChEcon. Running variable: birth.

Method	Coef.	Std. Err.	z	P>|z|	[95% Conf.	Interval]
Conventional	**-.43873**	**.16517**	**-2.6562**	**0.008**	**-.762459**	**-.114998**
Robust	**-**	**-**	**-2.8069**	**0.005**	**-.909371**	**-.16157**

Covariate-adjusted estimates. Additional covariates included: 2

```
.
. replace beta2 = e(tau_cl) if birth==1983
(29 real changes made)

.         replace lo2 = e(ci_l_rb) if birth==1983
(29 real changes made)
```

```
.         replace hi2 = e(ci_r_rb) if birth==1983
(29 real changes made)

.
. *
. forvalues i=1984(1)1987         {
  2. rdrobust ChEcon birth, c(`i') kernel(tri) bwselect(mserd)  ///
>         covs(urban male)
  3.
. replace beta3 = e(tau_cl) if birth==`i'
  4.          replace lo3 = e(ci_l_rb) if birth==`i'
  5.          replace hi3 = e(ci_r_rb) if birth==`i'
  6.
. }
```

Covariate-adjusted sharp RD estimates using local polynomial regression.

Cutoff c = 1984	Left of **c**	Right of **c**
Number of obs	**448**	**471**
Eff. Number of obs	**122**	**163**
Order est. (p)	**1**	**1**
Order bias (q)	**2**	**2**
BW est. (h)	**4.697**	**4.697**
BW bias (b)	**7.807**	**7.807**
rho (h/b)	**0.602**	**0.602**

Number of obs = **919**
BW type = **mserd**
Kernel = **Triangular**
VCE method = **NN**

Outcome: ChEcon. Running variable: birth.

Method	Coef.	Std. Err.	z	P>|z|	[95% Conf.	Interval]
Conventional	**-.06466**	**.1366**	**-0.4734**	**0.636**	**-.332389**	**.203069**
Robust	**-**	**-**	**-0.2990**	**0.765**	**-.390675**	**.287244**

Covariate-adjusted estimates. Additional covariates included: 2

```
(23 real changes made)
(23 real changes made)
(23 real changes made)
```

Covariate-adjusted sharp RD estimates using local polynomial regression.

Cutoff c = 1985	Left of **c**	Right of **c**
Number of obs	**469**	**450**
Eff. Number of obs	**49**	**100**
Order est. (p)	**1**	**1**
Order bias (q)	**2**	**2**
BW est. (h)	**2.729**	**2.729**
BW bias (b)	**5.322**	**5.322**
rho (h/b)	**0.513**	**0.513**

Number of obs = **919**
BW type = **mserd**
Kernel = **Triangular**
VCE method = **NN**

Outcome: ChEcon. Running variable: birth.

Method	Coef.	Std. Err.	z	P>|z|	[95% Conf.	Interval]
Conventional	**.09274**	**.21785**	**0.4257**	**0.670**	**-.334245**	**.519723**
Robust	**-**	**-**	**0.7326**	**0.464**	**-.323523**	**.7097**

Covariate-adjusted estimates. Additional covariates included: 2

```
(29 real changes made)
(29 real changes made)
(29 real changes made)
```

Covariate-adjusted sharp RD estimates using local polynomial regression.

Cutoff c = 1986	Left of **c**	Right of **c**
Number of obs	**496**	**423**
Eff. Number of obs	**76**	**150**
Order est. (p)	**1**	**1**
Order bias (q)	**2**	**2**
BW est. (h)	**3.358**	**3.358**
BW bias (b)	**5.536**	**5.536**
rho (h/b)	**0.607**	**0.607**

Number of obs = **919**
BW type = **mserd**
Kernel = **Triangular**
VCE method = **NN**

Outcome: ChEcon. Running variable: birth.

Method	Coef.	Std. Err.	z	P>|z|	[95% Conf.	Interval]
Conventional	**-.05342**	**.17157**	**-0.3113**	**0.756**	**-.389696**	**.282864**
Robust	**-**	**-**	**-0.3055**	**0.760**	**-.527745**	**.385392**

Covariate-adjusted estimates. Additional covariates included: 2
(32 real changes made)
(32 real changes made)
(32 real changes made)

Covariate-adjusted sharp RD estimates using local polynomial regression.

Cutoff c = 1987	Left of **c**	Right of **c**
Number of obs	**526**	**393**
Eff. Number of obs	**78**	**166**
Order est. (p)	**1**	**1**
Order bias (q)	**2**	**2**
BW est. (h)	**3.640**	**3.640**
BW bias (b)	**6.718**	**6.718**
rho (h/b)	**0.542**	**0.542**

Number of obs = **919**
BW type = **mserd**
Kernel = **Triangular**
VCE method = **NN**

Outcome: ChEcon. Running variable: birth.

Method	Coef.	Std. Err.	z	P>|z|	[95% Conf.	Interval]
Conventional	**-.2354**	**.1562**	**-1.5071**	**0.132**	**-.541539**	**.07074**
Robust	**-**	**-**	**-1.4410**	**0.150**	**-.661581**	**.100959**

Covariate-adjusted estimates. Additional covariates included: 2
(45 real changes made)
(45 real changes made)
(45 real changes made)

```
. *
.
.
. twoway (rcap hi1 lo1 birth, lc(black)) ///
>         (rcap hi2 lo2 birth, lc(red) lw(thick)) ///
>         (rcap hi3 lo3 birth, lc(black)) ///
>         (scatter beta birth, m(O) msize(vlarge) mlc(black) mfc(black)) ///
>         (scatter beta2 birth, m(O) msize(vlarge) mlc(red) mfc(red)) ///
>         (line y0 birth, lp(dash) lc(red)) if birth>1978 & birth<1988, ///
>         xtitle(Birth Year Cutoff) legend(off) ytitle("") xlabel(1979 1983 1987)
```

```
.
. gr export placebo_viet.eps, replace
(file placebo_viet.eps written in EPS format)

.
. log close
      name:  <unnamed>
       log:  C:\Users\kalka\Google Drive\international political economy\vietnam\jjps.smcl
  log type:  smcl
 closed on:   4 Jun 2020, 11:05:10
```