```
      name:  <unnamed>
       log:  /Users/peterli/Documents/GitHub/california_eitc/master.smcl
  log type:  smcl
 opened on:  21 Oct 2024, 14:58:34

 1 .
  end of do-file

 2 . do "/var/folders/kl/9gc44kp566q10j1pkr0zb1sm0000gn/T//SD01704.000000"

 3 . * Figure 1
 4 .
 5 . do programs/analysis_figure_1.do

 6 . import excel "$data_dir/raw/eitc_credit_federal_ca.xlsx", sheet("Sheet1") f
  > irstrow clear
  (4 vars, 500 obs)

 7 . keep income-credit_total

 8 .
 9 . * Federal
10 .
11 . twoway (line credit_fed income,), xtitle("Income ($)") ytitle("Eligible Cre
  > dit ($)") ysize(3) scale(1.2) scheme(s1mono) saving($dir/outfiles/figures/f
  > ederal.gph, replace)
  file /Users/peterli/Documents/GitHub/california_eitc/outfiles/figures/federal
  > .gph saved

12 . graph export $dir/outfiles/figures/credit_fed.jpg, as(jpg) replace
  file
      /Users/peterli/Documents/GitHub/california_eitc/outfiles/figures/credit
      > _fed.jpg saved as JPG format
```

```
13 .
14 . * CA
15 .
16 . twoway (line credit_ca income,lpattern(dash)), xtitle("Income ($)") ytitle(
   > "Eligible Credit ($)") ylabel(0(2000)6000) ysize(3) scale(1.2) scheme(s1mon
   > o) saving($dir/outfiles/figures/ca.gph, replace)
   file /Users/peterli/Documents/GitHub/california_eitc/outfiles/figures/ca.gph
   > saved

17 . graph export $dir/outfiles/figures/credit_ca.jpg, as(jpg) replace
   file
       /Users/peterli/Documents/GitHub/california_eitc/outfiles/figures/credit
       > _ca.jpg saved as JPG format

18 .
19 .
20 . * Combined
21 . twoway (line credit_total income, lpattern(dash))(line credit_fed income,),
   >  xtitle("Income ($)") ytitle("Eligible Credit ($)") ysize(3) scale(1.2) leg
   > end(off)scheme(s1mono) saving($dir/outfiles/figures/combined.gph, replace)
   file /Users/peterli/Documents/GitHub/california_eitc/outfiles/figures/combine
   > d.gph saved

22 . graph export $dir/outfiles/figures/credit_sum.jpg, as(jpg) replace
   file
       /Users/peterli/Documents/GitHub/california_eitc/outfiles/figures/credit
       > _sum.jpg saved as JPG format

23 .
   end of do-file

24 .
25 . * Figure 2
26 .
```

```
27 . do programs/analysis_figure_2.do

28 .
29 . ************************************************************
30 . * Figure 2: Event studies for CA
31 . ************************************************************
32 .
33 . use $data_dir/temp/analysis_6.dta, clear

34 .
35 . su startyear

    Variable |        Obs        Mean    Std. dev.       Min        Max
-------------+---------------------------------------------------------
   startyear |    147,949        2015           0       2015       2015

36 . local startyear = r(mean)

37 .
38 . *******Merge with each year's EITC percentages
39 .
40 . merge m:1 state using $data_dir/temp/state_eitc_pctg_dt.dta
(variable state was str13, now str14 to accommodate using data's values)

    Result                      Number of obs
    -----------------------------------------
    Not matched                       584,741
        from master                   584,706  (_merge==1)
        from using                         35  (_merge==2)

    Matched                           147,949  (_merge==3)
    -----------------------------------------

41 . drop if _merge == 2
(35 observations deleted)
```

```
42 . drop _merge

43 .
44 . preserve

45 . keep if stateabbr != ""
   (584,706 observations deleted)

46 . global stateabbr = stateabbr[1]

47 . restore

48 . keep if age <=44 & age >=21
   (433,227 observations deleted)

49 . keep if married == 0 & male == 0 & lowed
   (254,384 observations deleted)

50 .
51 . * Pinnning down the lag , start and lead year dummies
52 . egen startyear_missing = max(startyear)

53 . replace startyear = startyear_missing
   (35,240 real changes made)

54 . drop startyear_missing

55 .
56 . forval i = 1/5{
     2. gen lagyear`i' = (year == startyear - `i')
     3. gen leadyear`i' = (year == startyear + `i')
     4. }

57 .
```

```
58 . replace startyear = (year == startyear)
   (45,044 real changes made)

59 .
60 . *Pinning down the dummies for being in the treatment group in the lag, star
   > t and lead years
61 .  forval i = 1/5{
     2.  gen leadkidst`i' = leadyear`i'* st * kid
     3.  gen lagkidst`i' = lagyear`i'*st*kid
     4.  gen leadkid`i' = leadyear`i'*kid
     5.  gen lagkid`i' = lagyear`i'*kid
     6.  gen leadst`i' = leadyear`i'* st
     7.  gen lagst`i' = lagyear`i'* st
     8. }

62 . gen startkidst = startyear * st * kid

63 . gen startkid = startyear*kid

64 . gen startst = startyear*st

65 .
66 .
67 . *Labelling variables
68 .  forval i = 1/5{
     2.         local lagi = `startyear' - `i'
     3.         local leadi = `startyear' + `i'
     4.     lab var lagkidst`i' "`lagi'"
     5.     lab var leadkidst`i' "`leadi'"
     6. }

69 .
70 . lab var startkidst "`startyear'"
```

```
71 .
72 . * Define the outcomes and their respective y-axis limits
73 . local outcomes "emp_yr hour_annual hour_annual_unc per_wage per_wage_unc"

74 .
75 . foreach var of local outcomes {
     2.
76 .     * Set the y-axis limits based on the outcome variable
77 .     if "`var'" == "emp_yr" {
     3.         local ylim -40(10)40
     4.     }
     5.     else if "`var'" == "hour_annual" | "`var'" == "hour_annual_unc" {
     6.         local ylim -400(100)400
     7.     }
     8.     else if "`var'" == "per_wage" | "`var'" == "per_wage_unc" {
     9.         local ylim -2(0.5)2
    10.     }
    11.
78 .     * Perform regression
79 .     xi: reg `var' lagkidst5 lagkidst4 lagkidst3 lagkidst2 startkidst leadki
   > dst1 leadkidst2 leadkidst3 leadkidst4 lagst5 lagst4 lagst3 lagst2 startst l
   > eadst1 leadst2 leadst3 leadst4 lagkid5 lagkid4 lagkid3 lagkid2 startkid lea
   > dkid1 leadkid2 leadkid3 leadkid4 st_X_kid st lagyear2 lagyear3 lagyear4 lag
   > year5 startyear leadyear1 leadyear2 leadyear3 leadyear4 kid ib1.edu ib0.num
   > _child_u6 ib1.num_child ib3.marst ib0.black ib0.hispanic age age_sq ur [w=a
   > secwt], cluster(stfips)
    12.
80 .     * Generating matrices of coefficients
81 .     matrix b_`var' = J(1,10,.)
    13.     matrix colnames b_`var' = lagkidst5 lagkidst4 lagkidst3 lagkidst2 la
   > gkidst1 startkidst ///
   >                           leadkidst1 leadkidst2 leadkidst3 leadkidst4
    14.
82 .     forval i = 1/4 {
    15.         local j = 6 - `i'
    16.         matrix b_`var'[1, `i'] = _b[lagkidst`j']
    17.     }
    18.     matrix b_`var'[1, 5] = 0
    19.     matrix b_`var'[1, 6] = _b[startkidst]
    20.     forval i = 1/4 {
    21.         matrix b_`var'[1, `i' + 6] = _b[leadkidst`i']
    22.     }
    23.
```

```
83 .     * Generating matrices of standard errors
84 .     matrix stderr_`var' = J(1,10,.)
    24.     matrix colnames stderr_`var' = lagkidst5 lagkidst4 lagkidst3 lagkids
   > t2 lagkidst1 startkidst ///
   >                                   leadkidst1 leadkidst2 leadkidst3 leadkids
   > t4
    25.
85 .     forval i = 1/4 {
    26.         local j = 6 - `i'
    27.         matrix stderr_`var'[1, `i'] = _se[lagkidst`j']^2
    28.     }
    29.     matrix stderr_`var'[1, 5] = 0
    30.     matrix stderr_`var'[1, 6] = _se[startkidst]^2
    31.     forval i = 1/4 {
    32.         matrix stderr_`var'[1, `i' + 6] = _se[leadkidst`i']^2
    33.     }
    34.     matrix V_`var' = diag(stderr_`var')
    35.
86 .     * Generating matrices of EITC percentages
87 .     matrix eitc = J(1,10,.)
    36.     matrix colnames eitc = lagkidst5 lagkidst4 lagkidst3 lagkidst2 lagki
   > dst1 startkidst ///
   >                            leadkidst1 leadkidst2 leadkidst3 leadkidst4
    37.
88 .     forval i = 1/10 {
    38.         local j = `i' - 6
    39.         local year = `j' + `startyear'
    40.         su pctg`year'
    41.         mat eitc[1, `i'] = r(mean)
    42.     }
    43.
89 .     * Post the matrices
90 .     ereturn post b_`var' V_`var'
    44.     ereturn display
    45.
```

```
91 .     * Plotting
92 .     coefplot (, recast(connect) ylabel(`ylim', nogrid axis(1)) label("Treat
   > ment Effect")) ///
   >              (matrix(eitc[1,]), noci recast(line) lp(dash) lcolor(gray) axi
   > s(2) ylabel(-0.9(0.2)0.9, nogrid axis(2)) label("EITC Percentage")), ///
   >              noci vertical graphregion(color(white)) xlabel(,angle(45)) yli
   > ne(0) ysize(2) scale(1.4) aspect(0.3) legend(off) ytitle("Treatment Effect"
   > , axis(1)) ytitle("EITC Percentage", axis(2)) nooff saving($dir/outfiles/fi
   > gures/`var', replace)
    46.                          }
   (analytic weights assumed)
   (sum of wgt is 90,559,851.0379)
   note: 0.num_child omitted because of collinearity.

   Linear regression                               Number of obs     =     45,04
   > 4
                                                   F(20, 21)         =
   > .
                                                   Prob > F          =
   > .
                                                   R-squared         =     0.041
   > 7
                                                   Root MSE          =     45.00
   > 3

                                 (Std. err. adjusted for 22 clusters in stfips
   > )
   ------------------------------------------------------------------------------
   > -
                 |               Robust
          emp_yr |  Coefficient  std. err.      t    P>|t|     [95% conf. interval
   > ]
   -------------+----------------------------------------------------------------
   > -
       lagkidst5 |    -8.5979   1.724321    -4.99   0.000    -12.18382   -5.01197
   > 9
       lagkidst4 |  -4.263262   2.309257    -1.85   0.079    -9.065624    .539099
   > 8
       lagkidst3 |  -4.758626   2.469154    -1.93   0.068    -9.893512      .3762
   > 6
       lagkidst2 |  -4.524809   1.625906    -2.78   0.011    -7.906065   -1.14355
   > 2
      startkidst |  -12.08953   2.008409    -6.02   0.000    -16.26625   -7.91281
   > 8
      leadkidst1 |  -2.958213   1.911286    -1.55   0.137    -6.932949    1.01652
   > 3
```

```
  leadkidst2 |  -2.117285   2.132881    -0.99   0.332    -6.552854    2.31828
> 4
  leadkidst3 |  -9.484881   2.548754    -3.72   0.001    -14.78531   -4.18445
> 7
  leadkidst4 |  -2.228083    2.44036    -0.91   0.372    -7.303089    2.84692
> 3
      lagst5 |   8.370554   1.983544     4.22   0.000     4.245548    12.4955
> 6
      lagst4 |    4.61784   2.366033     1.95   0.064    -.3025951    9.53827
> 5
      lagst3 |   5.806155   2.223679     2.61   0.016      1.18176    10.4305
> 5
      lagst2 |   3.375459   1.866206     1.81   0.085    -.5055283    7.25644
> 7
     startst |   3.940924   2.308279     1.71   0.103    -.8594051    8.74125
> 3
     leadst1 |   5.653569   1.907696     2.96   0.007     1.686298    9.62083
> 9
     leadst2 |   5.711187   1.998111     2.86   0.009     1.555887    9.86648
> 6
     leadst3 |   4.615607   1.945367     2.37   0.027     .5699948    8.66121
> 9
     leadst4 |   4.735466   1.610135     2.94   0.008     1.387006    8.08392
> 6
     lagkid5 |  -.2244668   1.763978    -0.13   0.900    -3.892861    3.44392
> 7
     lagkid4 |  -1.288501   2.321261    -0.56   0.585    -6.115828    3.53882
> 6
     lagkid3 |   1.445417   2.507076     0.58   0.570    -3.768332    6.65916
> 7
     lagkid2 |  -1.764925    1.63828    -1.08   0.294    -5.171914    1.64206
> 5
    startkid |   3.872349   1.987939     1.95   0.065    -.2617954    8.00649
> 4
    leadkid1 |  -2.364341   1.891603    -1.25   0.225    -6.298145    1.56946
> 2
    leadkid2 |   .6374113   2.090614     0.30   0.763    -3.710259    4.98508
> 1
    leadkid3 |   1.643719   2.527389     0.65   0.523    -3.612275    6.89971
> 3
    leadkid4 |  -2.608934    2.44471    -1.07   0.298    -7.692986    2.47511
> 9
    st_X_kid |   3.486975   1.611758     2.16   0.042       .13514    6.83880
> 9
          st |  -4.522138   2.103601    -2.15   0.043    -8.896815   -.147460
> 5
```

```
    lagyear2 |   3.622003   2.220411     1.63   0.118    -.9955938    8.23960
> 1
    lagyear3 |   1.725478   2.632873     0.66   0.519    -3.749881    7.20083
> 7
    lagyear4 |   4.117333   3.139871     1.31   0.204    -2.412386    10.6470
> 5
    lagyear5 |   2.125455   3.024238     0.70   0.490    -4.163793    8.41470
> 2
   startyear |  -1.846933   2.446804    -0.75   0.459    -6.935341    3.24147
> 4
   leadyear1 |   1.664761   1.765438     0.94   0.356    -2.006669    5.33619
> 1
   leadyear2 |   -3.16396   1.555738    -2.03   0.055    -6.399295    .071375
> 3
   leadyear3 |  -1.848247    2.22735    -0.83   0.416    -6.480275    2.78378
> 2
   leadyear4 |   .4996192   1.904951     0.26   0.796    -3.461944    4.46118
> 3
         kid |   7.221153   1.607928     4.49   0.000     3.877283    10.5650
> 2
             |
         edu |
  HS degree  |   20.78097   1.205997    17.23   0.000     18.27296    23.2889
> 8
             |
num_child_u6 |
           1 |  -5.646741    .888406    -6.36   0.000    -7.494282   -3.79919
> 9
           2 |  -9.716547   1.254598    -7.74   0.000    -12.32563   -7.10746
> 8
           3 |  -15.26027   2.064738    -7.39   0.000    -19.55412   -10.9664
> 1
           4 |  -23.07399   4.989547    -4.62   0.000    -33.45032   -12.6976
> 6
           5 |  -22.48441   21.31724    -1.05   0.304    -66.81603    21.8472
> 1
           6 |  -30.80607   25.52548    -1.21   0.241    -83.88922    22.2770
> 8
             |
   num_child |
           0 |          0  (omitted)
           2 |   .0990369   .9525828     0.10   0.918    -1.881968    2.08004
> 1
           3 |  -2.639167   1.658302    -1.59   0.126    -6.087795    .809460
> 9
           4 |  -4.508015   2.682872    -1.68   0.108    -10.08735    1.07132
```

```
> 4
          5 |  -6.337423   3.854774    -1.64   0.115    -14.35387    1.67901
> 9
          6 |  -1.125355   7.744337    -0.15   0.886    -17.23059    14.9798
> 8
          7 |  -2.824672   14.39043    -0.20   0.846    -32.75121    27.1018
> 6
          8 |  -32.21881   11.87895    -2.71   0.013    -56.92243   -7.51518
> 9
          9 |  -35.89568   2.966626   -12.10   0.000    -42.06512   -29.7262
> 4
         10 |  -10.37417   29.73762    -0.35   0.731    -72.21693    51.4685
> 9
            |
       marst |
   divorced |   2.334294    1.46073     1.60   0.125    -.7034606    5.37204
> 9
    widowed |  -18.41289   2.971318    -6.20   0.000    -24.59208   -12.2336
> 9
never mar.. |  -3.769354   1.358143    -2.78   0.011    -6.593767   -.944940
> 7
            |
     1.black |   .1720445   1.235002     0.14   0.891    -2.396282    2.74037
> 1
  1.hispanic |   3.905624    1.04542     3.74   0.001     1.731554    6.07969
> 3
         age |   1.947642    .707934     2.75   0.012     .4754129    3.41987
> 2
      age_sq |  -.0299871    .010003    -3.00   0.007    -.0507895   -.009184
> 6
          ur |  -1.177092   .6895799    -1.71   0.103    -2.611152    .256967
> 5
       _cons |   30.17397   12.11955     2.49   0.021     4.969993    55.3779
> 4
-------------+----------------------------------------------------------------
> —

    Variable |        Obs        Mean    Std. dev.       Min        Max
-------------+---------------------------------------------------------
    pctg2010 |      9,804           0           0         0          0

    Variable |        Obs        Mean    Std. dev.       Min        Max
-------------+---------------------------------------------------------
    pctg2011 |      9,804           0           0         0          0
```

Variable	Obs	Mean	Std. dev.	Min	Max
pctg2012	**9,804**	**0**	**0**	**0**	**0**

Variable	Obs	Mean	Std. dev.	Min	Max
pctg2013	**9,804**	**0**	**0**	**0**	**0**

Variable	Obs	Mean	Std. dev.	Min	Max
pctg2014	**9,804**	**0**	**0**	**0**	**0**

Variable	Obs	Mean	Std. dev.	Min	Max
pctg2015	**9,804**	**.8**	**0**	**.8**	**.8**

Variable	Obs	Mean	Std. dev.	Min	Max
pctg2016	**9,804**	**.8**	**0**	**.8**	**.8**

Variable	Obs	Mean	Std. dev.	Min	Max
pctg2017	**9,804**	**.8**	**0**	**.8**	**.8**

Variable	Obs	Mean	Std. dev.	Min	Max
pctg2018	**9,804**	**.8**	**0**	**.8**	**.8**

Variable	Obs	Mean	Std. dev.	Min	Max
pctg2019	**9,804**	**.8**	**0**	**.8**	**.8**

> —	Coefficient	Std. err.	z	P>|z|	[95% conf.	interval >]
lagkidst5	**−8.5979**	**1.724321**	**−4.99**	**0.000**	**−11.97751**	**−5.218293**
lagkidst4	**−4.263262**	**2.309257**	**−1.85**	**0.065**	**−8.789322**	**.262796**
lagkidst3	**−4.758626**	**2.469154**	**−1.93**	**0.054**	**−9.598078**	**.080826**
lagkidst2	**−4.524809**	**1.625906**	**−2.78**	**0.005**	**−7.711526**	**−1.338091**
lagkidst1	**0**	(omitted)				

```
  startkidst │  -12.08953   2.008409    -6.02   0.000    -16.02594   -8.15312
> 4
  leadkidst1 │  -2.958213   1.911286    -1.55   0.122    -6.704264    .787837
> 8
  leadkidst2 │  -2.117285   2.132881    -0.99   0.321    -6.297655    2.06308
> 5
  leadkidst3 │  -9.484881   2.548754    -3.72   0.000    -14.48035   -4.48941
> 5
  leadkidst4 │  -2.228083    2.44036    -0.91   0.361      -7.0111    2.55493
> 5
─────────────┼────────────────────────────────────────────────────────────────
> ─
file /Users/peterli/Documents/GitHub/california_eitc/outfiles/figures/emp_yr.
> gph saved
(analytic weights assumed)
(sum of wgt is 63,157,082.1128)
note: 0.num_child omitted because of collinearity.

Linear regression                               Number of obs     =     31,50
> 8
                                                F(20, 21)         =
> .
                                                Prob > F          =
> .
                                                R-squared         =     0.092
> 0
                                                Root MSE          =     674.7
> 4

                                (Std. err. adjusted for 22 clusters in stfips
> )
─────────────┬────────────────────────────────────────────────────────────────
> ─
             │               Robust
 hour_annual │ Coefficient  std. err.      t    P>|t|     [95% conf. interval
> ]
─────────────┼────────────────────────────────────────────────────────────────
> ─
   lagkidst5 │   46.45977   44.70679     1.04   0.311     -46.5131    139.432
> 6
   lagkidst4 │   35.69248   37.90031     0.94   0.357    -43.12552    114.510
> 5
   lagkidst3 │   7.770657   35.45706     0.22   0.829    -65.96634    81.5076
> 5
   lagkidst2 │   22.24595   52.91005     0.42   0.678    -87.78651    132.278
> 4
```

```
  startkidst │  -84.33228   36.85212    -2.29   0.033    -160.9705   -7.69409
> 1
  leadkidst1 │  -89.85779   54.25385    -1.66   0.113    -202.6849    22.9692
> 7
  leadkidst2 │   54.48328   46.88518     1.16   0.258    -43.01978    151.986
> 3
  leadkidst3 │   11.83419   38.29982     0.31   0.760    -67.81463    91.4830
> 2
  leadkidst4 │  -146.5003   63.74705    -2.30   0.032    -279.0695   -13.9310
> 5
      lagst5 │  -95.65809   29.54546    -3.24   0.004    -157.1012   -34.2149
> 5
      lagst4 │  -59.48649   37.56238    -1.58   0.128    -137.6017    18.6287
> 5
      lagst3 │  -40.26263   39.77885    -1.01   0.323    -122.9873    42.4620
> 1
      lagst2 │    -73.967   38.09993    -1.94   0.066    -153.2001    5.26615
> 3
     startst │  -62.82779   20.46717    -3.07   0.006    -105.3916   -20.2639
> 8
     leadst1 │  -15.38425    34.2917    -0.45   0.658    -86.69775    55.9292
> 6
     leadst2 │  -106.3403    36.2337    -2.93   0.008    -181.6924   -30.9881
> 9
     leadst3 │  -33.00242   23.78682    -1.39   0.180    -82.46981    16.4649
> 8
     leadst4 │   60.49089   46.10683     1.31   0.204    -35.39351    156.375
> 3
     lagkid5 │  -56.44331   44.06609    -1.28   0.214    -148.0838    35.1971
> 4
     lagkid4 │  -10.98869   37.92038    -0.29   0.775    -89.84843    67.8710
> 5
     lagkid3 │  -37.32605    34.2161    -1.09   0.288    -108.4823    33.8302
> 3
     lagkid2 │  -56.42251   52.18553    -1.08   0.292    -164.9483    52.1032
> 4
    startkid │   3.526608   36.74681     0.10   0.924    -72.89257    79.9457
> 8
    leadkid1 │   44.53181   51.88078     0.86   0.400    -63.36018    152.423
> 8
    leadkid2 │   5.684266   45.94059     0.12   0.903    -89.85441    101.222
> 9
    leadkid3 │   7.364167   38.49889     0.19   0.850    -72.69866    87.4269
> 9
    leadkid4 │    84.5512   59.58535     1.42   0.171    -39.36331    208.465
> 7
```

```
    st_X_kid |   30.12824   36.81022     0.82   0.422    -46.42281    106.679
> 3
          st |  -39.76957    34.2081    -1.16   0.258    -110.9092    31.3700
> 6
    lagyear2 |   24.16137   33.71649     0.72   0.482    -45.95592    94.2786
> 6
    lagyear3 |  -2.527083   26.63548    -0.09   0.925     -57.9186    52.8644
> 3
    lagyear4 |   -15.3607   30.68033    -0.50   0.622    -79.16394    48.4425
> 3
    lagyear5 |    23.8309   43.05897     0.55   0.586    -65.71514    113.376
> 9
   startyear |   25.85191   26.40381     0.98   0.339    -29.05782    80.7616
> 4
   leadyear1 |   21.66279   40.43446     0.54   0.598    -62.42528    105.750
> 9
   leadyear2 |   75.98789   36.30486     2.09   0.049     .4877941     151.48
> 8
   leadyear3 |   63.09785   39.68063     1.59   0.127    -19.42254    145.618
> 2
   leadyear4 |   12.62031   54.63515     0.23   0.820    -100.9997    126.240
> 3
         kid |   -14.6054   31.13139    -0.47   0.644    -79.34666    50.1358
> 6
             |
         edu |
  HS degree  |   175.4161   22.10352     7.94   0.000     129.4493    221.382
> 9
             |
num_child_u6 |
           1 |  -35.76415   11.71409    -3.05   0.006    -60.12492   -11.4033
> 7
           2 |  -40.30739   24.95473    -1.62   0.121     -92.2036    11.5888
> 2
           3 |  -75.72564   55.31744    -1.37   0.185    -190.7646    39.3132
> 8
           4 |  -320.7288   89.25728    -3.59   0.002    -506.3495   -135.108
> 1
           5 |   533.2732   206.8224     2.58   0.018     103.1625    963.383
> 9
           6 |  -814.9144   144.6521    -5.63   0.000    -1115.735    -514.09
> 4
             |
   num_child |
           0 |           0  (omitted)
           2 |  -79.77835   8.317533    -9.59   0.000    -97.07561   -62.4810
```

```
> 9
          3 |  -110.2582   22.34212    -4.93   0.000    -156.7212   -63.7952
> 4
          4 |  -157.1547   40.25163    -3.90   0.001    -240.8625    -73.446
> 8
          5 |   -224.587   41.52026    -5.41   0.000    -310.9331   -138.240
> 9
          6 |  -172.2813   126.9278    -1.36   0.189    -436.2421    91.6793
> 8
          7 |   89.18189    207.644     0.43   0.672    -342.6374    521.001
> 2
          8 |   685.8729   554.9764     1.24   0.230    -468.2637    1840.00
> 9
         10 |  -801.6631   39.74824   -20.17   0.000    -884.3241   -719.002
> 1
            |
       marst |
   divorced |   25.68357   18.58921     1.38   0.182     -12.9748    64.3419
> 4
    widowed |  -42.08382   36.32928    -1.16   0.260    -117.6347    33.4670
> 5
never mar.. |  -37.85031   19.90706    -1.90   0.071    -79.24931    3.54867
> 9
            |
     1.black |    18.4916   13.65182     1.35   0.190    -9.898922    46.8821
> 2
  1.hispanic |   82.46276   13.36663     6.17   0.000     54.66533    110.260
> 2
         age |     167.64   9.906087    16.92   0.000     147.0391    188.240
> 8
      age_sq |  -2.266455   .1431306   -15.83   0.000    -2.564111   -1.96879
> 9
          ur |   .8005241   10.89889     0.07   0.942    -21.86495      23.46
> 6
       _cons |  -1372.495   155.6793    -8.82   0.000    -1696.248   -1048.74
> 2
-------------+----------------------------------------------------------------
> -

    Variable |        Obs        Mean    Std. dev.       Min        Max
-------------+---------------------------------------------------------
    pctg2010 |      9,804           0           0         0          0
```

Variable	Obs	Mean	Std. dev.	Min	Max
pctg2011	**9,804**	**0**	**0**	**0**	**0**

Variable	Obs	Mean	Std. dev.	Min	Max
pctg2012	**9,804**	**0**	**0**	**0**	**0**

Variable	Obs	Mean	Std. dev.	Min	Max
pctg2013	**9,804**	**0**	**0**	**0**	**0**

Variable	Obs	Mean	Std. dev.	Min	Max
pctg2014	**9,804**	**0**	**0**	**0**	**0**

Variable	Obs	Mean	Std. dev.	Min	Max
pctg2015	**9,804**	**.8**	**0**	**.8**	**.8**

Variable	Obs	Mean	Std. dev.	Min	Max
pctg2016	**9,804**	**.8**	**0**	**.8**	**.8**

Variable	Obs	Mean	Std. dev.	Min	Max
pctg2017	**9,804**	**.8**	**0**	**.8**	**.8**

Variable	Obs	Mean	Std. dev.	Min	Max
pctg2018	**9,804**	**.8**	**0**	**.8**	**.8**

Variable	Obs	Mean	Std. dev.	Min	Max
pctg2019	**9,804**	**.8**	**0**	**.8**	**.8**

> —	Coefficient	Std. err.	z	P>|z|	[95% conf.	interval >]
lagkidst5	**46.45977**	**44.70679**	**1.04**	**0.299**	**-41.16394**	**134.083 > 5**
lagkidst4	**35.69248**	**37.90031**	**0.94**	**0.346**	**-38.59076**	**109.975 > 7**
lagkidst3	**7.770657**	**35.45706**	**0.22**	**0.827**	**-61.7239**	**77.2652**

```
> 2
   lagkidst2 |   22.24595   52.91005     0.42   0.674    -81.45583    125.947
> 7
   lagkidst1 |          0  (omitted)
  startkidst |  -84.33228   36.85212    -2.29   0.022    -156.5611   -12.1034
> 4
  leadkidst1 |  -89.85779   54.25385    -1.66   0.098    -196.1934     16.477
> 8
  leadkidst2 |   54.48328   46.88518     1.16   0.245    -37.40998    146.376
> 5
  leadkidst3 |   11.83419   38.29982     0.31   0.757    -63.23207    86.9004
> 5
  leadkidst4 |  -146.5003   63.74705    -2.30   0.022    -271.4422   -21.5583
> 8
-------------+------------------------------------------------------------------
> —
file /Users/peterli/Documents/GitHub/california_eitc/outfiles/figures/hour_an
> nual.gph saved
(analytic weights assumed)
(sum of wgt is 90,559,851.0379)
note: 0.num_child omitted because of collinearity.

Linear regression                               Number of obs     =     45,04
> 4
                                                F(20, 21)         =
> .
                                                Prob > F          =
> .
                                                R-squared         =     0.072
> 6
                                                Root MSE          =     915.5
> 8

                               (Std. err. adjusted for 22 clusters in stfips
> )
-------------+------------------------------------------------------------------
> —
             |               Robust
hour_annua~c | Coefficient  std. err.      t    P>|t|     [95% conf. interval
> ]
-------------+------------------------------------------------------------------
> —
   lagkidst5 |  -83.77144   44.29981    -1.89   0.072     -175.898    8.35506
> 3
   lagkidst4 |  -46.89154   29.94926    -1.57   0.132    -109.1744    15.3913
> 5
```

```
   lagkidst3 |  -70.24746   39.00499    -1.80   0.086    -151.3628    10.8678
> 6
   lagkidst2 |  -31.97857   34.54466    -0.93   0.365    -103.8181    39.8609
> 9
  startkidst |  -230.9578   43.37024    -5.33   0.000    -321.1511   -140.764
> 4
  leadkidst1 |  -97.60414   45.35516    -2.15   0.043    -191.9254   -3.28292
> 5
  leadkidst2 |   11.92145   54.00723     0.22   0.827    -100.3927    124.235
> 6
  leadkidst3 |  -140.4176   56.06483    -2.50   0.021    -257.0108   -23.8244
> 3
  leadkidst4 |  -132.8296   62.98915    -2.11   0.047    -263.8227   -1.83647
> 9
      lagst5 |   58.79107    37.3666     1.57   0.131    -18.91702    136.499
> 2
      lagst4 |   34.52901   53.27871     0.65   0.524    -76.27014    145.328
> 1
      lagst3 |   59.69245   44.99074     1.33   0.199    -33.87093    153.255
> 8
      lagst2 |  -18.10736    24.1388    -0.75   0.461    -68.30675    32.0920
> 3
     startst |   8.567645   38.92346     0.22   0.828    -72.37812     89.513
> 4
     leadst1 |   63.72434   33.70402     1.89   0.073    -6.367013    133.815
> 7
     leadst2 |   6.885396   38.57019     0.18   0.860    -73.32571     87.096
> 5
     leadst3 |    40.2775   39.34797     1.02   0.318    -41.55108    122.106
> 1
     leadst4 |   107.5385   43.40774     2.48   0.022     17.26718    197.809
> 8
     lagkid5 |  -43.33577   44.40825    -0.98   0.340    -135.6878    49.0162
> 4
     lagkid4 |  -27.10947   30.15495    -0.90   0.379    -89.82011    35.6011
> 7
     lagkid3 |  -1.837293   39.81359    -0.05   0.964    -84.63418    80.9595
> 9
     lagkid2 |  -66.26993   33.54529    -1.98   0.061    -136.0312    3.49132
> 3
    startkid |   58.74238   43.01422     1.37   0.186    -30.71058    148.195
> 3
    leadkid1 |  -12.65186   44.96118    -0.28   0.781    -106.1537    80.8500
> 3
    leadkid2 |   13.19419   53.83389     0.25   0.809    -98.75951    125.147
> 9
```

```
    leadkid3 |    40.4121   56.21427     0.72   0.480    -76.49187    157.316
> 1
    leadkid4 |   20.67091    61.6438     0.34   0.741    -107.5244    148.866
> 2
    st_X_kid |   65.22855    32.6636     2.00   0.059    -2.699124    133.156
> 2
          st |  -84.45104   33.72422    -2.50   0.021    -154.5844   -14.3176
> 8
    lagyear2 |    78.5534    23.7664     3.31   0.003     29.12848    127.978
> 3
    lagyear3 |   25.98305   43.31028     0.60   0.555    -64.08562    116.051
> 7
    lagyear4 |    58.7721   58.19837     1.01   0.324    -62.25805    179.802
> 2
    lagyear5 |   53.22889   60.30114     0.88   0.387     -72.1742     178.63
> 2
   startyear |  -6.207459   45.35219    -0.14   0.892    -100.5225    88.1075
> 7
   leadyear1 |   48.76159   37.41491     1.30   0.207    -29.04697    126.570
> 2
   leadyear2 |   5.906984   37.76041     0.16   0.877    -72.62008    84.4340
> 5
   leadyear3 |   14.01293    58.4745     0.24   0.813    -107.5914    135.617
> 3
   leadyear4 |   19.78306   62.30082     0.32   0.754    -109.7786    149.344
> 7
         kid |   120.4009   32.77393     3.67   0.001     52.24379     188.55
> 8
             |
         edu |
  HS degree  |   435.5943   24.52796    17.76   0.000     384.5856     486.60
> 3
             |
num_child_u6 |
           1 |  -129.5378   15.33282    -8.45   0.000    -161.4241   -97.6514
> 4
           2 |  -189.9405   19.61412    -9.68   0.000    -230.7303   -149.150
> 7
           3 |  -271.2353   51.57144    -5.26   0.000     -378.484   -163.986
> 6
           4 |  -447.1409   86.91064    -5.14   0.000    -627.8815   -266.400
> 3
           5 |  -153.5906      469.9    -0.33   0.747    -1130.801      823.6
> 2
           6 |  -663.7467   343.1524    -1.93   0.067    -1377.371    49.8777
> 5
```

```
             │
   num_child │
           0 │          0  (omitted)
           2 │  -53.08161   16.73018    -3.17   0.005    -87.87393    -18.289
> 3
           3 │  -123.6983   31.81205    -3.89   0.001    -189.8551   -57.5415
> 3
           4 │  -189.9837   60.90169    -3.12   0.005    -316.6357   -63.3316
> 7
           5 │  -259.0846   59.38542    -4.36   0.000    -382.5834   -135.585
> 9
           6 │  -163.9892   133.9333    -1.22   0.234    -442.5187    114.540
> 2
           7 │  -72.16218   356.9009    -0.20   0.842    -814.3782    670.053
> 8
           8 │  -434.7764   305.4659    -1.42   0.169    -1070.027    200.474
> 6
           9 │  -596.4921   57.37673   -10.40   0.000    -715.8135   -477.170
> 6
          10 │  -495.6162   283.9812    -1.75   0.096    -1086.187    94.9550
> 1
             │
       marst │
    divorced │   63.99002   30.05495     2.13   0.045     1.487328    126.492
> 7
     widowed │  -344.2606   58.39684    -5.90   0.000    -465.7035   -222.817
> 7
never mar..  │  -92.13532   26.69789    -3.45   0.002    -147.6566   -36.6140
> 2
             │
     1.black │   18.97211   19.88987     0.95   0.351    -22.39113    60.3353
> 6
  1.hispanic │   122.9729   20.00502     6.15   0.000     81.37024    164.575
> 7
         age │   144.2663   14.28724    10.10   0.000     114.5543    173.978
> 2
      age_sq │  -2.012259   .2014143    -9.99   0.000    -2.431123   -1.59339
> 5
          ur │  -18.05121   17.56033    -1.03   0.316    -54.56991    18.4674
> 9
       _cons │  -1503.862   236.2598    -6.37   0.000    -1995.191   -1012.53
> 3
─────────────┴──────────────────────────────────────────────────────────────
> ─
```

Variable	Obs	Mean	Std. dev.	Min	Max
pctg2010	**9,804**	**0**	**0**	**0**	**0**

Variable	Obs	Mean	Std. dev.	Min	Max
pctg2011	**9,804**	**0**	**0**	**0**	**0**

Variable	Obs	Mean	Std. dev.	Min	Max
pctg2012	**9,804**	**0**	**0**	**0**	**0**

Variable	Obs	Mean	Std. dev.	Min	Max
pctg2013	**9,804**	**0**	**0**	**0**	**0**

Variable	Obs	Mean	Std. dev.	Min	Max
pctg2014	**9,804**	**0**	**0**	**0**	**0**

Variable	Obs	Mean	Std. dev.	Min	Max
pctg2015	**9,804**	**.8**	**0**	**.8**	**.8**

Variable	Obs	Mean	Std. dev.	Min	Max
pctg2016	**9,804**	**.8**	**0**	**.8**	**.8**

Variable	Obs	Mean	Std. dev.	Min	Max
pctg2017	**9,804**	**.8**	**0**	**.8**	**.8**

Variable	Obs	Mean	Std. dev.	Min	Max
pctg2018	**9,804**	**.8**	**0**	**.8**	**.8**

Variable	Obs	Mean	Std. dev.	Min	Max
pctg2019	9,804	.8	0	.8	.8

	Coefficient	Std. err.	z	P>|z|	[95% conf.	interval]
lagkidst5	-83.77144	44.29981	-1.89	0.059	-170.5975	3.05459
lagkidst4	-46.89154	29.94926	-1.57	0.117	-105.591	11.8079
lagkidst3	-70.24746	39.00499	-1.80	0.072	-146.6958	6.20091
lagkidst2	-31.97857	34.54466	-0.93	0.355	-99.68487	35.7277
lagkidst1	0	(omitted)				
startkidst	-230.9578	43.37024	-5.33	0.000	-315.9619	-145.953
leadkidst1	-97.60414	45.35516	-2.15	0.031	-186.4986	-8.70966
leadkidst2	11.92145	54.00723	0.22	0.825	-93.93077	117.773
leadkidst3	-140.4176	56.06483	-2.50	0.012	-250.3027	-30.5325
leadkidst4	-132.8296	62.98915	-2.11	0.035	-256.286	-9.37312

file **/Users/peterli/Documents/GitHub/california_eitc/outfiles/figures/hour_an**
nual_unc.gph saved
(analytic weights assumed)
(sum of wgt is 63,157,082.1128)
note: **0.num_child** omitted because of collinearity.

```
Linear regression                               Number of obs     =     31,50
> 8
                                                F(20, 21)         =
> .
                                                Prob > F          =
> .
                                                R-squared         =     0.100
> 1
                                                Root MSE          =     1.059
> 3

                                (Std. err. adjusted for 22 clusters in stfips
> )
-------------------------------------------------------------------------------
> -
             |               Robust
    per_wage |  Coefficient  std. err.      t    P>|t|     [95% conf. interval
> ]
-------------+-----------------------------------------------------------------
> -
   lagkidst5 |   .1677625   .0749043     2.24   0.036     .0119905    .323534
> 5
   lagkidst4 |   .1323881   .0462692     2.86   0.009     .0361661    .228610
> 1
   lagkidst3 |   .2897463    .034958     8.29   0.000     .2170472    .362445
> 4
   lagkidst2 |   .2052377   .0394148     5.21   0.000     .1232701    .287205
> 2
  startkidst |   .2095862   .0624127     3.36   0.003     .0797918    .339380
> 6
  leadkidst1 |  -.0741425   .0746307    -0.99   0.332    -.2293456    .081060
> 5
  leadkidst2 |   .1067722   .0451277     2.37   0.028     .0129239    .200620
> 4
  leadkidst3 |  -.0333153   .0575109    -0.58   0.569    -.1529159    .086285
> 2
  leadkidst4 |  -.1653687   .0985868    -1.68   0.108    -.3703913    .039653
> 8
      lagst5 |  -.1561695   .0546395    -2.86   0.009    -.2697986   -.042540
> 5
      lagst4 |  -.0813622   .0420616    -1.93   0.067     -.168834    .006109
> 7
      lagst3 |  -.2057726   .0436707    -4.71   0.000    -.2965907   -.114954
> 5
      lagst2 |  -.1708352    .047147    -3.62   0.002    -.2688827   -.072787
> 7
```

```
     startst │  -.1828305   .0491489    -3.72   0.001    -.2850413   -.080619
> 7
     leadst1 │   .0511398   .0436847     1.17   0.255    -.0397075    .141987
> 1
     leadst2 │  -.1200687   .0376363    -3.19   0.004    -.1983377   -.041799
> 7
     leadst3 │   .0542545   .0519482     1.04   0.308    -.0537778    .162286
> 8
     leadst4 │   .1554258   .0722085     2.15   0.043       .00526    .305591
> 7
     lagkid5 │  -.0837716   .0729623    -1.15   0.264     -.235505    .067961
> 8
     lagkid4 │  -.0014256    .045668    -0.03   0.975    -.0963974    .093546
> 3
     lagkid3 │  -.0870972   .0330377    -2.64   0.015    -.1558028   -.018391
> 6
     lagkid2 │   -.188188   .0377586    -4.98   0.000    -.2667112   -.109664
> 8
    startkid │  -.0765849     .06246    -1.23   0.234    -.2064775    .053307
> 8
     leadkid1 │  -.0144387   .0725829    -0.20   0.844     -.165383    .136505
> 7
     leadkid2 │  -.0074378    .042919    -0.17   0.864    -.0966927    .081817
> 1
     leadkid3 │    .000142   .0569281     0.00   0.998    -.1182466    .118530
> 5
     leadkid4 │    .079829   .0959395     0.83   0.415    -.1196882    .279346
> 2
     st_X_kid │  -.0117403   .0517908    -0.23   0.823    -.1194451    .095964
> 5
           st │   .0489369   .0452782     1.08   0.292    -.0452243     .14309
> 8
     lagyear2 │   .1129688   .0461531     2.45   0.023     .0169882    .208949
> 5
     lagyear3 │   .0244784    .030143     0.81   0.426    -.0382073    .087164
> 2
     lagyear4 │  -.0421394   .0547512    -0.77   0.450    -.1560007    .071721
> 9
     lagyear5 │   .0271295   .0700491     0.39   0.702    -.1185455    .172804
> 5
    startyear │   .1222219   .0492904     2.48   0.022     .0197168     .22472
> 7
    leadyear1 │   .0805629   .0593473     1.36   0.189    -.0428566    .203982
> 3
    leadyear2 │   .1570804   .0540284     2.91   0.008     .0447222    .269438
> 5
```

```
   leadyear3 |   .1583634   .0646058     2.45   0.023     .0240082    .292718
> 5
   leadyear4 |   .1326677   .0954479     1.39   0.179    -.0658272    .331162
> 5
         kid |   .0143078   .0479257     0.30   0.768    -.0853592    .113974
> 8
           |
         edu |
  HS degree |   .4435181   .0246489    17.99   0.000     .3922578    .494778
> 3
           |
num_child_u6 |
           1 |  -.0522678   .0229418    -2.28   0.033     -.099978   -.004557
> 6
           2 |  -.0817833   .0659877    -1.24   0.229    -.2190123    .055445
> 7
           3 |   -.132145   .0695209    -1.90   0.071    -.2767216    .012431
> 6
           4 |  -.3435532   .2624864    -1.31   0.205    -.8894235    .202317
> 1
           5 |   .6040804   .4288516     1.41   0.174    -.2877652    1.49592
> 6
           6 |  -.1777698   .1398698    -1.27   0.218    -.4686449    .113105
> 4
           |
   num_child |
           0 |          0  (omitted)
           2 |  -.0956391   .0137253    -6.97   0.000    -.1241823   -.067095
> 8
           3 |    -.14375   .0302042    -4.76   0.000    -.2065631   -.080936
> 9
           4 |    -.31489   .0489916    -6.43   0.000    -.4167735   -.213006
> 4
           5 |  -.3389554   .0919809    -3.69   0.001    -.5302401   -.147670
> 7
           6 |  -.2607207   .1063454    -2.45   0.023    -.4818781   -.039563
> 4
           7 |  -.2350842   .2392145    -0.98   0.337    -.7325579    .262389
> 6
           8 |   1.245597   .8336702     1.49   0.150     -.488115    2.97930
> 9
          10 |  -.4863091   .0655524    -7.42   0.000    -.6226329   -.349985
> 4
           |
       marst |
   divorced |    .124454   .0440788     2.82   0.010      .032787    .216120
```

```
> 9
    widowed │    .006659   .0784767     0.08   0.933    -.1565422    .169860
> 3
never mar.. │   -.0170408   .0300912    -0.57   0.577    -.0796189    .045537
> 3
            │
     1.black │   -.0456757   .0253911    -1.80   0.086    -.0984794     .00712
> 8
  1.hispanic │    .0627936   .0185178     3.39   0.003     .0242837    .101303
> 4
         age │    .2585774   .0135192    19.13   0.000     .2304627    .286692
> 1
      age_sq │   -.003493    .000204   -17.13   0.000    -.0039171   -.003068
> 9
          ur │    .0080149   .0182154     0.44   0.664    -.0298661     .04589
> 6
       _cons │    5.048704    .256801    19.66   0.000     4.514657    5.58275
> 1
─────────────┴────────────────────────────────────────────────────────────────
> —

    Variable │        Obs        Mean    Std. dev.       Min        Max
─────────────┼─────────────────────────────────────────────────────────
    pctg2010 │      9,804           0           0         0          0

    Variable │        Obs        Mean    Std. dev.       Min        Max
─────────────┼─────────────────────────────────────────────────────────
    pctg2011 │      9,804           0           0         0          0

    Variable │        Obs        Mean    Std. dev.       Min        Max
─────────────┼─────────────────────────────────────────────────────────
    pctg2012 │      9,804           0           0         0          0

    Variable │        Obs        Mean    Std. dev.       Min        Max
─────────────┼─────────────────────────────────────────────────────────
    pctg2013 │      9,804           0           0         0          0

    Variable │        Obs        Mean    Std. dev.       Min        Max
─────────────┼─────────────────────────────────────────────────────────
    pctg2014 │      9,804           0           0         0          0

    Variable │        Obs        Mean    Std. dev.       Min        Max
─────────────┼─────────────────────────────────────────────────────────
    pctg2015 │      9,804          .8           0         .8         .8
```

Variable	Obs	Mean	Std. dev.	Min	Max
pctg2016	**9,804**	**.8**	**0**	**.8**	**.8**

Variable	Obs	Mean	Std. dev.	Min	Max
pctg2017	**9,804**	**.8**	**0**	**.8**	**.8**

Variable	Obs	Mean	Std. dev.	Min	Max
pctg2018	**9,804**	**.8**	**0**	**.8**	**.8**

Variable	Obs	Mean	Std. dev.	Min	Max
pctg2019	**9,804**	**.8**	**0**	**.8**	**.8**

	Coefficient	Std. err.	z	P>|z|	[95% conf.	interval]
lagkidst5	**.1677625**	**.0749043**	**2.24**	**0.025**	**.0209528**	**.314572**
lagkidst4	**.1323881**	**.0462692**	**2.86**	**0.004**	**.0417022**	**.22307**
lagkidst3	**.2897463**	**.034958**	**8.29**	**0.000**	**.22123**	**.358262**
lagkidst2	**.2052377**	**.0394148**	**5.21**	**0.000**	**.1279861**	**.282489**
lagkidst1	**0**	(omitted)				
startkidst	**.2095862**	**.0624127**	**3.36**	**0.001**	**.0872595**	**.33191**
leadkidst1	**-.0741425**	**.0746307**	**-0.99**	**0.320**	**-.220416**	**.072130**
leadkidst2	**.1067722**	**.0451277**	**2.37**	**0.018**	**.0183234**	**.195220**
leadkidst3	**-.0333153**	**.0575109**	**-0.58**	**0.562**	**-.1460347**	**.079404**
leadkidst4	**-.1653687**	**.0985868**	**-1.68**	**0.093**	**-.3585954**	**.027857**

file **/Users/peterli/Documents/GitHub/california_eitc/outfiles/figures/per_wage.gph** saved
(analytic weights assumed)
(sum of wgt is 90,559,851.0379)

note: **0.num_child** omitted because of collinearity.

Linear regression Number of obs = **45,04**
> 4
F(20, 21) =
> .
Prob > F =
> .
R-squared = **0.054**
> 1
Root MSE = **4.539**
> 2

(Std. err. adjusted for **22** clusters in **stfips**
>)

per_wage_unc	Coefficient	Robust std. err.	t	P>|t|	[95% conf.	interval]
lagkidst5	**-.7069246**	**.1631996**	**-4.33**	**0.000**	**-1.046317**	**-.367532**
lagkidst4	**-.3380048**	**.2127663**	**-1.59**	**0.127**	**-.7804765**	**.104466**
lagkidst3	**-.2703298**	**.225967**	**-1.20**	**0.245**	**-.7402539**	**.199594**
lagkidst2	**-.2613785**	**.1560684**	**-1.67**	**0.109**	**-.5859406**	**.063183**
startkidst	**-1.031638**	**.2000155**	**-5.16**	**0.000**	**-1.447593**	**-.61568**
leadkidst1	**-.3285931**	**.1768634**	**-1.86**	**0.077**	**-.6964006**	**.039214**
leadkidst2	**-.1186198**	**.207377**	**-0.57**	**0.573**	**-.5498838**	**.312644**
leadkidst3	**-.9612393**	**.2778513**	**-3.46**	**0.002**	**-1.539063**	**-.383415**
leadkidst4	**-.3320595**	**.2759773**	**-1.20**	**0.242**	**-.9059857**	**.241866**
lagst5	**.7084497**	**.2171785**	**3.26**	**0.004**	**.2568023**	**1.16009**
lagst4	**.4021182**	**.2504124**	**1.61**	**0.123**	**-.1186429**	**.922879**
lagst3	**.4265868**	**.2270026**	**1.88**	**0.074**	**-.045491**	**.898664**

> 5

```
      lagst2 |   .1857921   .1708795     1.09   0.289    -.1695713    .541155
> 4
     startst |   .2497905   .2377942     1.05   0.305    -.2447296    .744310
> 6
     leadst1 |   .5810582   .1873219     3.10   0.005     .1915009    .970615
> 5
     leadst2 |   .4680277   .1946561     2.40   0.026     .0632182    .872837
> 3
     leadst3 |   .4844943   .2181241     2.22   0.037     .0308804    .938108
> 3
     leadst4 |    .571642   .1802193     3.17   0.005     .1968555    .946428
> 4
     lagkid5 |  -.0840504   .1668972    -0.50   0.620    -.4311322    .263031
> 5
     lagkid4 |  -.1264784   .2136013    -0.59   0.560    -.5706866    .317729
> 8
     lagkid3 |   .0838392   .2296898     0.37   0.719    -.3938268    .561505
> 3
     lagkid2 |  -.3071102   .1547773    -1.98   0.060    -.6289872    .014766
> 8
    startkid |    .321444   .1976282     1.63   0.119    -.0895464    .732434
> 3
     leadkid1 |  -.2537746   .1759149    -1.44   0.164    -.6196096    .112060
> 4
     leadkid2 |   .0568011   .2046189     0.28   0.784    -.3687273    .482329
> 5
     leadkid3 |   .1779591   .2766323     0.64   0.527    -.3973292    .753247
> 3
     leadkid4 |  -.1967927   .2769286    -0.71   0.485    -.7726973    .379111
> 9
     st_X_kid |   .3216377   .1433009     2.24   0.036     .0236272    .619648
> 2
           st |  -.3960694   .2096464    -1.89   0.073    -.8320529     .03991
> 4
     lagyear2 |    .442129   .2037667     2.17   0.042     .0183729     .86588
> 5
     lagyear3 |   .1857771   .2602359     0.71   0.483    -.3554131    .726967
> 2
     lagyear4 |   .3820147   .3239056     1.18   0.251    -.2915839    1.05561
> 3
     lagyear5 |   .2331102   .3271626     0.71   0.484    -.4472616    .913482
> 1
    startyear |  -.0923759   .2556164    -0.36   0.721    -.6239593    .439207
> 4
    leadyear1 |   .2298166   .1837266     1.25   0.225    -.1522638    .611897
> 1
```

```
   leadyear2 |  -.1993842   .1678192    -1.19   0.248    -.5483834    .149614
> 9
   leadyear3 |  -.0748853   .2613544    -0.29   0.777    -.6184017     .46863
> 1
   leadyear4 |   .1459821   .2412482     0.61   0.552     -.355721    .647685
> 2
         kid |   .7470562   .1593456     4.69   0.000     .4156789    1.07843
> 4
             |
         edu |
  HS degree  |   2.313774   .1151402    20.10   0.000     2.074327    2.55322
> 1
             |
num_child_u6 |
           1 |  -.6198016   .0909247    -6.82   0.000    -.8088898   -.430713
> 3
           2 |  -1.030382    .118898    -8.67   0.000    -1.277644     -.7831
> 2
           3 |  -1.552642   .1995123    -7.78   0.000     -1.96755   -1.13773
> 3
           4 |  -2.318949   .4865884    -4.77   0.000    -3.330865   -1.30703
> 3
           5 |  -1.953689   2.254159    -0.87   0.396    -6.641469    2.7340
> 9
           6 |  -2.975012   2.463717    -1.21   0.241    -8.098592    2.14856
> 7
             |
   num_child |
           0 |          0  (omitted)
           2 |  -.0558825    .096867    -0.58   0.570    -.2573284    .145563
> 5
           3 |  -.3702728   .1656274    -2.24   0.036    -.7147138   -.025831
> 7
           4 |  -.6787229   .2778273    -2.44   0.023    -1.256496   -.100949
> 5
           5 |  -.8725488   .3482638    -2.51   0.021    -1.596803   -.148294
> 6
           6 |  -.3305823   .7638658    -0.43   0.670    -1.919128    1.25796
> 4
           7 |  -.5728735   1.498158    -0.38   0.706    -3.688465    2.54271
> 8
           8 |  -2.949669   1.348442    -2.19   0.040    -5.753908   -.145429
> 9
           9 |  -3.578344   .2762332   -12.95   0.000    -4.152802   -3.00388
> 5
          10 |  -1.322629   2.885731    -0.46   0.651    -7.323835    4.67857
```

```
> 7
             │
       marst │
   divorced  │   .3383378   .1521456     2.22   0.037     .0219337    .654741
> 9
    widowed  │  -1.859239   .2979395    -6.24   0.000    -2.478838   -1.2396
> 4
never mar..  │  -.3897192   .1417752    -2.75   0.012    -.6845569   -.094881
> 5
             │
     1.black │  -.0103866   .1235862    -0.08   0.934    -.2673982    .246624
> 9
  1.hispanic │    .433216   .1060757     4.08   0.001     .2126194    .653812
> 6
         age │   .3679784   .0737965     4.99   0.000     .2145101    .521446
> 7
      age_sq │  -.0053414   .0010479    -5.10   0.000    -.0075205   -.003162
> 2
          ur │  -.1100702   .0793399    -1.39   0.180    -.2750665    .054926
> 2
       _cons │  -.2523095    1.29218    -0.20   0.847    -2.939545    2.43492
> 6
─────────────┴──────────────────────────────────────────────────────────────
> —

    Variable │        Obs        Mean    Std. dev.       Min        Max
─────────────┼─────────────────────────────────────────────────────────
    pctg2010 │      9,804           0           0         0          0

    Variable │        Obs        Mean    Std. dev.       Min        Max
─────────────┼─────────────────────────────────────────────────────────
    pctg2011 │      9,804           0           0         0          0

    Variable │        Obs        Mean    Std. dev.       Min        Max
─────────────┼─────────────────────────────────────────────────────────
    pctg2012 │      9,804           0           0         0          0

    Variable │        Obs        Mean    Std. dev.       Min        Max
─────────────┼─────────────────────────────────────────────────────────
    pctg2013 │      9,804           0           0         0          0

    Variable │        Obs        Mean    Std. dev.       Min        Max
─────────────┼─────────────────────────────────────────────────────────
    pctg2014 │      9,804           0           0         0          0
```

Variable	Obs	Mean	Std. dev.	Min	Max
pctg2015	**9,804**	**.8**	**0**	**.8**	**.8**

Variable	Obs	Mean	Std. dev.	Min	Max
pctg2016	**9,804**	**.8**	**0**	**.8**	**.8**

Variable	Obs	Mean	Std. dev.	Min	Max
pctg2017	**9,804**	**.8**	**0**	**.8**	**.8**

Variable	Obs	Mean	Std. dev.	Min	Max
pctg2018	**9,804**	**.8**	**0**	**.8**	**.8**

Variable	Obs	Mean	Std. dev.	Min	Max
pctg2019	**9,804**	**.8**	**0**	**.8**	**.8**

```
> ─
```

	Coefficient	Std. err.	z	P>|z|	[95% conf.	interval]
lagkidst5	**-.7069246**	**.1631996**	**-4.33**	**0.000**	**-1.02679**	**-.387059**
lagkidst4	**-.3380048**	**.2127663**	**-1.59**	**0.112**	**-.7550191**	**.079009**
lagkidst3	**-.2703298**	**.225967**	**-1.20**	**0.232**	**-.713217**	**.172557**
lagkidst2	**-.2613785**	**.1560684**	**-1.67**	**0.094**	**-.567267**	**.0445**
lagkidst1	**0**	(omitted)				
startkidst	**-1.031638**	**.2000155**	**-5.16**	**0.000**	**-1.423661**	**-.639614**
leadkidst1	**-.3285931**	**.1768634**	**-1.86**	**0.063**	**-.675239**	**.018052**
leadkidst2	**-.1186198**	**.207377**	**-0.57**	**0.567**	**-.5250712**	**.287831**
leadkidst3	**-.9612393**	**.2778513**	**-3.46**	**0.001**	**-1.505818**	**-.416660**
leadkidst4	**-.3320595**	**.2759773**	**-1.20**	**0.229**	**-.8729651**	**.208846**

```
> ─
```

```
    file /Users/peterli/Documents/GitHub/california_eitc/outfiles/figures/per_wag
    > e_unc.gph saved

 93 .
 94 .
    end of do-file

 95 .
 96 . * Appendix Figure A1
 97 .
 98 . do programs/analysis_figure_a1.do

 99 . * This file plots histograms of actual weekly hours for single low-ed women
    > : 2014 through 2019.
100 .
101 . use $data_dir/temp/analysis_6.dta, clear

102 . keep if age <=44 & age >=21
    (433,227 observations deleted)

103 . keep if married == 0 & male == 0
    (228,552 observations deleted)

104 . tempfile single_women

105 . save `single_women'
    file /var/folders/kl/9gc44kp566q10j1pkr0zb1sm0000gn/T//S_01704.000001 saved
        as .dta format

106 . use `single_women', clear

107 . keep if lowed & st
    (61,072 observations deleted)
```

```
108 . su hour_worked hour_worked_unc
```

Variable	Obs	Mean	Std. dev.	Min	Max
hour_worked	**6,650**	**34.29729**	**10.83771**	**1**	**99**
hour_worke~c	**9,804**	**23.26367**	**18.34052**	**0**	**99**

```
109 .
110 . ** Hour worked (conditional)
111 .
112 . forval yyyy = 2014/2019 {
  2.     histogram hour_worked if year == `yyyy', ///
>             width(5) ///
>          xtitle("Usual hours worked each week", size(medium)) xlabel(0(20)10
> 0) ///
>          ytitle("Density", size(medium)) ylabel(0(0.02)0.12) ///
>          legend(off) ///
>          graphregion(color(white)) ///
>          title("`yyyy'", size(medium)) ///
>          plotregion(margin(medium) color(white)) ///
>          name(graph`yyyy', replace) ///
>                  scheme(s1mono)
  3. }
(bin=18, start=3, width=5)
(bin=20, start=1, width=5)
(bin=13, start=2, width=5)
(bin=17, start=1, width=5)
(bin=17, start=2, width=5)
(bin=14, start=1, width=5)

113 .
114 . graph combine graph2014 graph2015 graph2016 graph2017 graph2018 graph2019,
> ///
>     rows(3) cols(2) ///
>          altshrink iscale(1.5) ///
>          scheme(s1mono)
```

```
115 .
116 . graph export $dir/outfiles/figures/fig_hour_distribution_unc.jpg, as(jpg) r
    > eplace quality(100)
    file
        /Users/peterli/Documents/GitHub/california_eitc/outfiles/figures/fig_ho
        > ur_distribution_unc.jpg saved as JPG format

117 .
118 .
119 . ** Hour worked (unconditional)
120 .
121 . forval yyyy = 2014/2019 {
      2.     histogram hour_worked_unc if year == `yyyy', ///
    >             width(5) ///
    >          xtitle("Usual hours worked each week", size(medium)) xlabel(0(20)10
    > 0) ///
    >          ytitle("Density", size(medium)) ylabel(0(0.02)0.10) ///
    >          legend(off) ///
    >          graphregion(color(white)) ///
    >          title("`yyyy'", size(medium)) ///
    >          plotregion(margin(medium) color(white)) ///
    >          name(graph`yyyy', replace) ///
    >                  scheme(s1mono)
      3.
122 .          graph export $dir/outfiles/figures/Figure_A1_`yyyy'.jpg, as(jpg) re
    > place quality(100)
      4.
123 . }
    (bin=18, start=0, width=5)
    file
        /Users/peterli/Documents/GitHub/california_eitc/outfiles/figures/Figure
        > _A1_2014.jpg saved as JPG format
    (bin=20, start=0, width=5)
    file
        /Users/peterli/Documents/GitHub/california_eitc/outfiles/figures/Figure
        > _A1_2015.jpg saved as JPG format
    (bin=13, start=0, width=5)
    file
        /Users/peterli/Documents/GitHub/california_eitc/outfiles/figures/Figure
        > _A1_2016.jpg saved as JPG format
    (bin=17, start=0, width=5)
    file
        /Users/peterli/Documents/GitHub/california_eitc/outfiles/figures/Figure
        > _A1_2017.jpg saved as JPG format
    (bin=17, start=0, width=5)
    file
```

```
    /Users/peterli/Documents/GitHub/california_eitc/outfiles/figures/Figure
    > _A1_2018.jpg saved as JPG format
(bin=14, start=0, width=5)
file
    /Users/peterli/Documents/GitHub/california_eitc/outfiles/figures/Figure
    > _A1_2019.jpg saved as JPG format

124 .
125 . graph combine graph2014 graph2015 graph2016 graph2017 graph2018 graph2019,
    > ///
    >     rows(3) cols(2) ///
    >         altshrink iscale(1.5) ///
    >         scheme(s1mono)

126 .
127 . graph export $dir/outfiles/figures/fig_hour_distribution_con.jpg, as(jpg) r
    > eplace quality(100)
file
    /Users/peterli/Documents/GitHub/california_eitc/outfiles/figures/fig_ho
    > ur_distribution_con.jpg saved as JPG format

128 .
end of do-file

129 .
130 . ************************************************************************
131 .
132 . log close
       name:  <unnamed>
        log:  /Users/peterli/Documents/GitHub/california_eitc/master.smcl
  log type:  smcl
 closed on:  21 Oct 2024, 14:58:51
-------------------------------------------------------------------------------
```