From: **soep-exec** soep-exec@diw.de
Subject: job 231918 CPS data creation part 1
Date: September 17, 2025 at 8:50 PM
To: hlueders@stanford.edu

```
==========================================================
 All output delivered to you is subject to the signed user contract. Misuse
 includes giving this data to third parties not covered by the user contract
 as well as merely *attempting* to identify individual respondents in this
 dataset.
==========================================================



. use $soep37/pgen, clear
(SOEP-Core, v37 (Remote Edition), doi:10.5684/soep.core.v37r)

.
. *** code variables
. * German nationality
. gen german = .
(750,440 missing values generated)

. replace german = 1 if pgnation == 1
(640,519 real changes made)

. replace german = 0 if pgnation > 1 & pgnation != .
(109,816 real changes made)

.
. * Marital status
. gen marstat = pgfamstd if pgfamstd > 0 & pgfamstd != .
(5,797 missing values generated)

. recode marstat (3=1) (1=2) (2=3) (4=3) (5=4) (6=2) (7=2) (8=3)
(744,643 changes made to marstat)

. label define marstat 1 "single" 2 "married or same-sex union" ///
>         3 "separated or divorced" 4 "widowed"

. label value marstat marstat

.
. * Education 1: Years of education overall
. gen educ_years = pgbilzeit if pgbilzeit > 0 & pgbilzeit != .
(39,855 missing values generated)

.
. * Education 2: Years of education, grouped
. gen educ_years_class = .
(750,440 missing values generated)

. replace educ_years_class = 1 if educ_years == 7 | educ_years == 8.5 | educ_ye
> ars == 9
(124,424 real changes made)

. replace educ_years_class = 2 if educ_years == 10 | educ_years == 10.5
(189,202 real changes made)

. replace educ_years_class = 3 if educ_years == 11 | educ_years == 11.5 | educ_
```

```
> years == 12
(211,128 real changes made)

. replace educ_years_class = 4 if educ_years == 13 | educ_years == 13.5 | educ_
> years == 14 | educ_years == 14.5
(73,349 real changes made)

. replace educ_years_class = 5 if educ_years == 15 | educ_years == 16 | educ_ye
> ars == 17
(47,716 real changes made)

. replace educ_years_class = 6 if educ_years == 18
(64,766 real changes made)

. label define educ_years_class 1 "-9 years" 2 "10 years" 3 "11-12 years" 4 "13
> -14 years" 5 "15-17 years" 6 "18+ years"

. label value educ_years_class educ_years_class

.
. * Education 3: Schulabschluss
. gen educ_school = pgpsbil if pgpsbil > 0 & pgpsbil != .
(20,623 missing values generated)

. label define educ_school 1 "Hauptschulabschluss" 2 "Realschulabschluss" ///
>         3 "Fachhochschulreife" 4 "Abitur" 5 "Anderer Abschluss" ///
>         6 "Ohne Abschluss verlassen" 7 "Noch kein Abschluss" 8 "No school att
> ended"

. label value educ_school educ_school

.
. gen abitur = .
(750,440 missing values generated)

. replace abitur = 1 if educ_school == 4
(132,611 real changes made)

. replace abitur = 0 if educ_school != 4 & educ_school != .
(597,206 real changes made)

.
. * Education 4: college degree
. gen educ_college = pgpbbil02 if pgpbbil02 != .

. recode educ_college (-2=0) (-1=.) (1=1) (2=2) (3=3) (4=1) (5=2) (6=2) (7=3) (
> 8=2) (9=1) (10=1)
(642,575 changes made to educ_college)

. label define educ_college 0 "None" 1 "Technical College" 2 "University" 3 "de
> gree abroad"

. label value educ_college educ_college

.
. gen college = .
(750,440 missing values generated)

. replace college = 1 if educ_college >= 1 & educ_college <= 3
(140,921 real changes made)
```

```
. replace college = 0 if educ_college == 0
(602,825 real changes made)

.
. * Labor force status
. gen lfs = pglfs if pglfs > 0 & pglfs != .
(80 missing values generated)

. recode lfs (11=1) (12=1) (6=2) (3=3) (2=4) (4=5) (5=5) (8=6) (9=6) (10=6) (1=
> 6) (13=6)
(717,392 changes made to lfs)

. label define lfs 1 "working" 2 "unemployed" 3 "education or training" 4 "reti
> red" ///
>         5 "not working due to specific reasons" 6 "not working"

. label value lfs lfs

.
.
. *** select variables
. soepkeep pid syear german marstat educ* abitur college lfs

.
. *** save
. save $mydata/hlueders/CPS_pgen_select.dta, replace
file /srv/cifs/lissy-users-data/hlueders/CPS_pgen_select.dta saved

.
.
.
. *** 2. pequiv data ***
. *--------------------*
.
. *** load data
. use $soep37/pequiv, clear
(SOEP-Core, v37 (Remote Edition), doi:10.5684/soep.core.v37r)

.
. *** code variables
. * Age
. gen age = d11101 if d11101 >= 0
(4,473 missing values generated)

.
. * age groups
. gen agegroup = .
(1,066,546 missing values generated)

. replace agegroup = 1 if age <= 24
(367,215 real changes made)

. replace agegroup = 2 if age > 24 & age <= 29
(64,533 real changes made)

. replace agegroup = 3 if age > 29 & age <= 34
(71,854 real changes made)

. replace agegroup = 4 if age > 34 & age <= 39
(79,074 real changes made)
```

```
. replace agegroup = 5 if age > 39 & age <= 44
(81,085 real changes made)

. replace agegroup = 6 if age > 44 & age <= 49
(79,337 real changes made)

. replace agegroup = 7 if age > 49 & age <= 54
(71,298 real changes made)

. replace agegroup = 8 if age > 54 & age <= 59
(60,827 real changes made)

. replace agegroup = 9 if age > 59 & age <= 64
(53,541 real changes made)

. replace agegroup = 10 if age > 64 & age <= 69
(45,466 real changes made)

. replace agegroup = 11 if age > 69 & age <= 74
(36,465 real changes made)

. replace agegroup = 12 if age > 74 & age != .
(51,378 real changes made)

. label define agegroup 1 "18-24" 2 "25-29" 3 "30-34" 4 "35-39" 5 "40-44" 6 "45
> -49" ///
>          7 "50-54" 8 "55-59" 9 "60-64" 10 "65-69" 11 "70-74" 12 "75+"

. label value agegroup agegroup

.
. * number of children
. gen nchildren = d11107

. gen nchildren_log = log(nchildren + 1)

.
. * HH income
. gen hhincome_pre = i11101 if i11101 >= 0
(37,790 missing values generated)

. gen hhincome_post = i11102 if i11102 >= 0
(37,790 missing values generated)

.
. * log HH income
. gen hhincome_pre_log = log(hhincome_pre + 1)
(37,790 missing values generated)

. gen hhincome_post_log = log(hhincome_post + 1)
(37,790 missing values generated)

.
. * household size
. gen hhsize = d11106

. gen hhsize_log = log(hhsize)

.
.
. *** select variables
```

```
. soepkeep pid syear age agegroup hhincome_pre hhincome_pre_log ///
>         hhincome_post hhincome_post_log ///
>         hhsize hhsize_log nchildren nchildren_log w11103

.
. *** save
. save $mydata/hlueders/CPS_pequiv_select.dta, replace
file /srv/cifs/lissy-users-data/hlueders/CPS_pequiv_select.dta saved

.
.
.
. *** 3. hl data ***
. *-----------------*
.
. *** load data
. use $soep37/hl, clear
(SOEP-Core, v37 (Remote Edition), doi:10.5684/soep.core.v37r)

.
. *** code variables
. * rent or own the place?
. gen owner = .
(414,759 missing values generated)

. replace owner = 1 if hlf0001_h == 3
(172,239 real changes made)

. replace owner = 0 if hlf0001_h != 3 & hlf0001_h != .
(242,520 real changes made)

.
. *** select variables
. soepkeep hid syear owner

.
. *** save
. save $mydata/hlueders/CPS_hl_select.dta, replace
file /srv/cifs/lissy-users-data/hlueders/CPS_hl_select.dta saved

.
.
.
. *** 4. hbrutto data ***
. *----------------------*
.
. *** load data
. use $soep37/hbrutto, clear
(SOEP-Core, v37 (Remote Edition), doi:10.5684/soep.core.v37r)

.
. *** code variables
. * address check
. rename hader addressHH

.
. *** select variables
. soepkeep hid syear addressHH

.
. *** save
```

```
. save $mydata/hlueders/CPS_hbrutto_select.dta, replace
file /srv/cifs/lissy-users-data/hlueders/CPS_hbrutto_select.dta saved

.
.
.
. *** 5. kreise_l data ***
. *----------------------*
.
. *** load data
. use $soep37/regionl, clear
(SOEP-Core, v37 (Remote Edition), doi:10.5684/soep.core.v37r)

.
. *** select variables
. soepkeep hid syear kkz_rek bula

.
. *** save
. save $mydata/hlueders/CPS_kreise_select.dta, replace
file /srv/cifs/lissy-users-data/hlueders/CPS_kreise_select.dta saved

.
.
.
. *** 6. pl data ***
. *-----------------*
.
. *** load
. use pid hid syear ///
>         plh0007 plh0006 plh0333 plh0003 ///
>         plj0040 plj0043 pli0097_h pli0096_h ///
>         using $soep37/pl, clear
(SOEP-Core, v37 (Remote Edition), doi:10.5684/soep.core.v37r)

.
.
.
.
. *** National engagement
. * political interest
. gen polinterest = plh0007 if plh0007 >0 & plh0007 != .
(43,205 missing values generated)

. recode polinterest (4=1) (3=2) (2=3) (1=4)
(699,617 changes made to polinterest)

. label define polinterest 1 "none" 2 "weak" 3 "strong" 4 "very strong"

. label value polinterest polinterest

.
. * voted in last federal election
. gen vote_lastelection = .
(742,822 missing values generated)

. replace vote_lastelection = 1 if plh0006 == 1 & syear == 2010
(18,512 real changes made)

. replace vote_lastelection = 0 if plh0006 == 2 & syear == 2010
(4,596 real changes made)
```

```
. replace vote_lastelection = 0 if plh0333 == 28 & syear == 2014
(3,808 real changes made)

. replace vote_lastelection = 0 if plh0333 == 28 & syear == 2018
(3,061 real changes made)

. replace vote_lastelection = 1 if plh0333 >= 1 & plh0333 <= 27 & syear == 2014
>
(16,785 real changes made)

. replace vote_lastelection = 1 if plh0333 >= 30 & plh0333 <= 31 & syear == 201
> 4
(9 real changes made)

. replace vote_lastelection = 1 if plh0333 >= 1 & plh0333 <= 27 & syear == 2018
>
(18,148 real changes made)

. replace vote_lastelection = 1 if plh0333 >= 30 & plh0333 <= 31 & syear == 201
> 8
(12 real changes made)

.
. * would vote next Sunday (next election)
. gen vote_nextsunday = plh0003 if plh0003 >= 0 & plh0003 < 6
(704,043 missing values generated)

. recode vote_nextsunday (1=5) (2=4) (3=3) (4=2) (5=1)
(35,517 changes made to vote_nextsunday)

. label define vote_nextsunday 1 "definitely not" 2 "probably not" 3 "maybe" 4
> "probably" 5 " definitely"

. label value vote_nextsunday vote_nextsunday

.
.
.
. *** Local engagement
. * local attachments
. gen ties = plj0040 if plj0040 > 0
(643,031 missing values generated)

. replace ties = plj0043 if (syear == 2009 | syear == 2014 | syear == 2019) & p
> lj0043 >=0
(74,082 real changes made)

. recode ties (1=4) (2=3) (3=2) (4=1)
(173,873 changes made to ties)

.
. * participate local politics
. gen activism_localpolitics = pli0097_h if pli0097_h > 0 & pli0097_h != .
(330,069 missing values generated)

. recode activism_localpolitics (5=1) (4=2) (3=3) (2=4) (1=4) (6=1) (7=3) (8=4)
>
(405,467 changes made to activism_localpolitics)

.
```

```
. * volunteer
. gen activism_volunteer = pli0096_h if pli0096_h > 0 & pli0096_h != .
(329,702 missing values generated)

. recode activism_volunteer (5=1) (4=2) (3=3) (2=4) (1=4) (6=1) (7=3) (8=4)
(381,453 changes made to activism_volunteer)

.
.
. *** select variables
. soepkeep pid hid syear polinterest vote_lastelection vote_nextsunday ///
>         ties activism_localpolitics activism_volunteer

.
.
.
.
. *** 7. Merge datasets together ***
. *--------------------------------*
.
. *** merger
. * pgen
. merge 1:1 pid syear using $mydata/hluederders/CPS_pgen_select
(variable syear was long, now double to accommodate using data's values)

    Result                      Number of obs
    ----------------------------------------
    Not matched                         7,708
        from master                        45  (_merge==1)
        from using                      7,663  (_merge==2)

    Matched                           742,777  (_merge==3)
    ----------------------------------------

. soepdrop if _m==2
(7,663 observations deleted)

. soepdrop _m

.
. * pequiv
. merge 1:1 pid syear using $mydata/hluederders/CPS_pequiv_select

    Result                      Number of obs
    ----------------------------------------
    Not matched                       325,424
        from master                       850  (_merge==1)
        from using                    324,574  (_merge==2)

    Matched                           741,972  (_merge==3)
    ----------------------------------------

. soepdrop if _m==2
(324,574 observations deleted)

. soepdrop _m

.
. * hl
. merge m:1 hid syear using $mydata/hluederders/CPS_hl_select
(label hid already defined)
```

```
(label syear already defined)

    Result                      Number of obs
    -----------------------------------------
    Not matched                           887
        from master                       850  (_merge==1)
        from using                         37  (_merge==2)

    Matched                           741,972  (_merge==3)
    -----------------------------------------

. soepdrop if _m==2
(37 observations deleted)

. soepdrop _m

.
. * hbrutto
. merge m:1 hid syear using $mydata/hluederes/CPS_hbrutto_select
(label hid already defined)
(label syear already defined)
(label hid_EN already defined)
(label syear_EN already defined)

    Result                      Number of obs
    -----------------------------------------
    Not matched                        63,468
        from master                         0  (_merge==1)
        from using                     63,468  (_merge==2)

    Matched                           742,822  (_merge==3)
    -----------------------------------------

. soepdrop if _m==2
(63,468 observations deleted)

. soepdrop _m

.
. *** merge with Kreis data set (long)
. merge m:1 hid syear using $mydata/hluederes/CPS_kreise_select

    Result                      Number of obs
    -----------------------------------------
    Not matched                       221,291
        from master                         0  (_merge==1)
        from using                    221,291  (_merge==2)

    Matched                           742,822  (_merge==3)
    -----------------------------------------

. soepdrop if _m==2
(221,291 observations deleted)

. soepdrop _m

.
.
.
. *** save
. save $mydata/hluederes/CPS_replicationdata_working.dta, replace
```

```
file /srv/cifs/fissy-users-data/hlueders/CPS_replicationdata_working.dta
    saved

.
.
.
.
end of do-file
```

From: **soep-exec** soep-exec@diw.de
Subject: job 231919 CPS data creation part 2
Date: September 17, 2025 at 8:52 PM
To: hlueders@stanford.edu

```
-------------------------------------------------------------
 All output delivered to you is subject to the signed user contract. Misuse
 includes giving this data to third parties not covered by the user contract
 as well as merely *attempting* to identify individual respondents in this
 dataset.
-------------------------------------------------------------



. use $mydata/hlueders/CPS_replicationdata_working.dta, clear
(SOEP-Core, v37 (Remote Edition), doi:10.5684/soep.core.v37r)

.
.
. *** code BT turnout averages
. gen BT_turnout = .
(742,822 missing values generated)

.
. replace BT_turnout = 0.705404 if kkz_rek == 1001
(1,412 real changes made)

. replace BT_turnout = 0.7426122 if kkz_rek == 1002
(3,170 real changes made)

. replace BT_turnout = 0.7138528 if kkz_rek == 1003
(1,724 real changes made)

. replace BT_turnout = 0.6896393 if kkz_rek == 1004
(393 real changes made)

. replace BT_turnout = 0.7367735 if kkz_rek == 1051
(1,677 real changes made)

. replace BT_turnout = 0.7798167 if kkz_rek == 1053
(1,620 real changes made)

. replace BT_turnout = 0.7546465 if kkz_rek == 1054
(1,922 real changes made)

. replace BT_turnout = 0.7629737 if kkz_rek == 1055
(959 real changes made)

. replace BT_turnout = 0.7915063 if kkz_rek == 1056
(2,031 real changes made)

. replace BT_turnout = 0.8031744 if kkz_rek == 1057
(838 real changes made)

. replace BT_turnout = 0.786793 if kkz_rek == 1058
(1,653 real changes made)

. replace BT_turnout = 0.7730809 if kkz_rek == 1059
(985 real changes made)
```

```
. replace BT_turnout = 0.7738485 if kkz_rek == 1060
(1,687 real changes made)

. replace BT_turnout = 0.7607802 if kkz_rek == 1061
(567 real changes made)

. replace BT_turnout = 0.806502 if kkz_rek == 1062
(2,100 real changes made)

. replace BT_turnout = 0.7493699 if kkz_rek == 2000
(11,525 real changes made)

. replace BT_turnout = 0.765913 if kkz_rek == 3101
(1,899 real changes made)

. replace BT_turnout = 0.7305452 if kkz_rek == 3102
(1,451 real changes made)

. replace BT_turnout = 0.7425801 if kkz_rek == 3103
(996 real changes made)

. replace BT_turnout = 0.7757172 if kkz_rek == 3151
(948 real changes made)

. replace BT_turnout = 0.7496728 if kkz_rek == 3153
(972 real changes made)

. replace BT_turnout = 0.7571442 if kkz_rek == 3154
(885 real changes made)

. replace BT_turnout = 0.7656884 if kkz_rek == 3155
(1,323 real changes made)

. replace BT_turnout = 0.7832099 if kkz_rek == 3157
(1,323 real changes made)

. replace BT_turnout = 0.7974219 if kkz_rek == 3158
(841 real changes made)

. replace BT_turnout = 0.7686642 if kkz_rek == 3159
(2,351 real changes made)

. replace BT_turnout = 0.7774661 if kkz_rek == 3241
(8,858 real changes made)

. replace BT_turnout = 0.7686718 if kkz_rek == 3251
(2,345 real changes made)

. replace BT_turnout = 0.7552658 if kkz_rek == 3252
(1,663 real changes made)

. replace BT_turnout = 0.7848678 if kkz_rek == 3254
(4,086 real changes made)

. replace BT_turnout = 0.7630953 if kkz_rek == 3255
(983 real changes made)

. replace BT_turnout = 0.7395834 if kkz_rek == 3256
(508 real changes made)

. replace BT_turnout = 0.7720539 if kkz_rek == 3257
```

```
(1,190 real changes made)

. replace BT_turnout = 0.7567837 if kkz_rek == 3351
(2,569 real changes made)

. replace BT_turnout = 0.7598051 if kkz_rek == 3352
(1,558 real changes made)

. replace BT_turnout = 0.8111042 if kkz_rek == 3353
(1,486 real changes made)

. replace BT_turnout = 0.7495714 if kkz_rek == 3354
(178 real changes made)

. replace BT_turnout = 0.7800248 if kkz_rek == 3355
(1,588 real changes made)

. replace BT_turnout = 0.7832201 if kkz_rek == 3356
(611 real changes made)

. replace BT_turnout = 0.7686324 if kkz_rek == 3357
(1,960 real changes made)

. replace BT_turnout = 0.7570309 if kkz_rek == 3358
(699 real changes made)

. replace BT_turnout = 0.7674531 if kkz_rek == 3359
(1,052 real changes made)

. replace BT_turnout = 0.7663283 if kkz_rek == 3360
(782 real changes made)

. replace BT_turnout = 0.7773961 if kkz_rek == 3361
(882 real changes made)

. replace BT_turnout = 0.7143272 if kkz_rek == 3401
(654 real changes made)

. replace BT_turnout = 0.7150139 if kkz_rek == 3402
(173 real changes made)

. replace BT_turnout = 0.76923 if kkz_rek == 3403
(1,903 real changes made)

. replace BT_turnout = 0.7555742 if kkz_rek == 3404
(1,055 real changes made)

. replace BT_turnout = 0.717032 if kkz_rek == 3405
(1,699 real changes made)

. replace BT_turnout = 0.7689641 if kkz_rek == 3451
(831 real changes made)

. replace BT_turnout = 0.7507727 if kkz_rek == 3452
(1,825 real changes made)

. replace BT_turnout = 0.731182 if kkz_rek == 3453
(696 real changes made)

. replace BT_turnout = 0.7738231 if kkz_rek == 3454
(2,452 real changes made)
```

```
. replace BT_turnout = 0.7622948 if kkz_rek == 3455
(736 real changes made)

. replace BT_turnout = 0.7749647 if kkz_rek == 3456
(1,665 real changes made)

. replace BT_turnout = 0.7443727 if kkz_rek == 3457
(813 real changes made)

. replace BT_turnout = 0.7830288 if kkz_rek == 3458
(1,136 real changes made)

. replace BT_turnout = 0.7780232 if kkz_rek == 3459
(3,161 real changes made)

. replace BT_turnout = 0.7666308 if kkz_rek == 3460
(901 real changes made)

. replace BT_turnout = 0.7335116 if kkz_rek == 3461
(798 real changes made)

. replace BT_turnout = 0.7239708 if kkz_rek == 3462
(418 real changes made)

. replace BT_turnout = 0.7386335 if kkz_rek == 4011
(4,784 real changes made)

. replace BT_turnout = 0.6811662 if kkz_rek == 4012
(1,048 real changes made)

. replace BT_turnout = 0.7558531 if kkz_rek == 5111
(5,225 real changes made)

. replace BT_turnout = 0.7038024 if kkz_rek == 5112
(4,941 real changes made)

. replace BT_turnout = 0.7403661 if kkz_rek == 5113
(4,385 real changes made)

. replace BT_turnout = 0.7208297 if kkz_rek == 5114
(1,799 real changes made)

. replace BT_turnout = 0.692626 if kkz_rek == 5116
(1,893 real changes made)

. replace BT_turnout = 0.7779409 if kkz_rek == 5117
(1,241 real changes made)

. replace BT_turnout = 0.7278101 if kkz_rek == 5119
(2,226 real changes made)

. replace BT_turnout = 0.7248926 if kkz_rek == 5120
(478 real changes made)

. replace BT_turnout = 0.7391955 if kkz_rek == 5122
(1,331 real changes made)

. replace BT_turnout = 0.730379 if kkz_rek == 5124
(3,246 real changes made)
```

```
. replace BT_turnout = 0.7492986 if kkz_rek == 5154
(1,830 real changes made)

. replace BT_turnout = 0.7755718 if kkz_rek == 5158
(5,157 real changes made)

. replace BT_turnout = 0.7721847 if kkz_rek == 5162
(3,724 real changes made)

. replace BT_turnout = 0.7621441 if kkz_rek == 5166
(3,455 real changes made)

. replace BT_turnout = 0.7712008 if kkz_rek == 5170
(4,065 real changes made)

. replace BT_turnout = 0.7947291 if kkz_rek == 5314
(3,116 real changes made)

. replace BT_turnout = 0.743909 if kkz_rek == 5315
(9,068 real changes made)

. replace BT_turnout = 0.7521228 if kkz_rek == 5316
(1,124 real changes made)

. replace BT_turnout = 0.751151 if kkz_rek == 5334
(3,894 real changes made)

. replace BT_turnout = 0.7578715 if kkz_rek == 5358
(1,947 real changes made)

. replace BT_turnout = 0.7716514 if kkz_rek == 5362
(3,683 real changes made)

. replace BT_turnout = 0.7481954 if kkz_rek == 5366
(821 real changes made)

. replace BT_turnout = 0.7477351 if kkz_rek == 5370
(1,636 real changes made)

. replace BT_turnout = 0.7537568 if kkz_rek == 5374
(2,332 real changes made)

. replace BT_turnout = 0.8057655 if kkz_rek == 5378
(1,763 real changes made)

. replace BT_turnout = 0.7839342 if kkz_rek == 5382
(5,476 real changes made)

. replace BT_turnout = 0.7558243 if kkz_rek == 5512
(1,519 real changes made)

. replace BT_turnout = 0.6938435 if kkz_rek == 5513
(2,148 real changes made)

. replace BT_turnout = 0.8131711 if kkz_rek == 5515
(2,112 real changes made)

. replace BT_turnout = 0.7792428 if kkz_rek == 5554
(3,008 real changes made)

. replace BT_turnout = 0.8074552 if kkz_rek == 5558
```

```
(1,811 real changes made)

. replace BT_turnout = 0.7502197 if kkz_rek == 5562
(5,081 real changes made)

. replace BT_turnout = 0.7824257 if kkz_rek == 5566
(3,483 real changes made)

. replace BT_turnout = 0.7834132 if kkz_rek == 5570
(2,707 real changes made)

. replace BT_turnout = 0.7651544 if kkz_rek == 5711
(4,380 real changes made)

. replace BT_turnout = 0.7648869 if kkz_rek == 5754
(3,143 real changes made)

. replace BT_turnout = 0.7517149 if kkz_rek == 5758
(1,440 real changes made)

. replace BT_turnout = 0.7755637 if kkz_rek == 5762
(1,692 real changes made)

. replace BT_turnout = 0.7664891 if kkz_rek == 5766
(3,554 real changes made)

. replace BT_turnout = 0.7462149 if kkz_rek == 5770
(3,492 real changes made)

. replace BT_turnout = 0.752524 if kkz_rek == 5774
(2,977 real changes made)

. replace BT_turnout = 0.7565456 if kkz_rek == 5911
(2,404 real changes made)

. replace BT_turnout = 0.7264237 if kkz_rek == 5913
(5,606 real changes made)

. replace BT_turnout = 0.7150085 if kkz_rek == 5914
(2,109 real changes made)

. replace BT_turnout = 0.7310595 if kkz_rek == 5915
(1,831 real changes made)

. replace BT_turnout = 0.7178468 if kkz_rek == 5916
(1,923 real changes made)

. replace BT_turnout = 0.7686075 if kkz_rek == 5954
(2,383 real changes made)

. replace BT_turnout = 0.7674295 if kkz_rek == 5958
(1,997 real changes made)

. replace BT_turnout = 0.7314157 if kkz_rek == 5962
(3,858 real changes made)

. replace BT_turnout = 0.769252 if kkz_rek == 5966
(543 real changes made)

. replace BT_turnout = 0.7593704 if kkz_rek == 5970
(2,395 real changes made)
```

```
. replace BT_turnout = 0.7546183 if kkz_rek == 5974
(2,218 real changes made)

. replace BT_turnout = 0.7621255 if kkz_rek == 5978
(3,990 real changes made)

. replace BT_turnout = 0.7697887 if kkz_rek == 6411
(1,417 real changes made)

. replace BT_turnout = 0.74054 if kkz_rek == 6412
(6,571 real changes made)

. replace BT_turnout = 0.6891176 if kkz_rek == 6413
(1,176 real changes made)

. replace BT_turnout = 0.7344945 if kkz_rek == 6414
(1,711 real changes made)

. replace BT_turnout = 0.7748474 if kkz_rek == 6431
(790 real changes made)

. replace BT_turnout = 0.7901694 if kkz_rek == 6432
(1,872 real changes made)

. replace BT_turnout = 0.7698353 if kkz_rek == 6433
(1,914 real changes made)

. replace BT_turnout = 0.8157278 if kkz_rek == 6434
(2,158 real changes made)

. replace BT_turnout = 0.7632406 if kkz_rek == 6435
(3,122 real changes made)

. replace BT_turnout = 0.8131422 if kkz_rek == 6436
(2,423 real changes made)

. replace BT_turnout = 0.7599464 if kkz_rek == 6437
(2,259 real changes made)

. replace BT_turnout = 0.7836244 if kkz_rek == 6438
(3,655 real changes made)

. replace BT_turnout = 0.7991101 if kkz_rek == 6439
(1,295 real changes made)

. replace BT_turnout = 0.7720873 if kkz_rek == 6440
(2,774 real changes made)

. replace BT_turnout = 0.7610227 if kkz_rek == 6531
(2,535 real changes made)

. replace BT_turnout = 0.7263637 if kkz_rek == 6532
(2,625 real changes made)

. replace BT_turnout = 0.7505842 if kkz_rek == 6533
(1,445 real changes made)

. replace BT_turnout = 0.7591367 if kkz_rek == 6534
(1,988 real changes made)
```

```
. replace BT_turnout = 0.7583357 if kkz_rek == 6535
(609 real changes made)

. replace BT_turnout = 0.7260252 if kkz_rek == 6611
(2,057 real changes made)

. replace BT_turnout = 0.7733412 if kkz_rek == 6631
(1,674 real changes made)

. replace BT_turnout = 0.7635739 if kkz_rek == 6632
(707 real changes made)

. replace BT_turnout = 0.7905044 if kkz_rek == 6633
(1,612 real changes made)

. replace BT_turnout = 0.7800732 if kkz_rek == 6634
(2,410 real changes made)

. replace BT_turnout = 0.7443874 if kkz_rek == 6635
(1,604 real changes made)

. replace BT_turnout = 0.7651734 if kkz_rek == 6636
(436 real changes made)

. replace BT_turnout = 0.7341433 if kkz_rek == 7111
(1,223 real changes made)

. replace BT_turnout = 0.7811815 if kkz_rek == 7131
(1,102 real changes made)

. replace BT_turnout = 0.7482955 if kkz_rek == 7132
(2,373 real changes made)

. replace BT_turnout = 0.75692 if kkz_rek == 7133
(554 real changes made)

. replace BT_turnout = 0.7147878 if kkz_rek == 7134
(739 real changes made)

. replace BT_turnout = 0.7774053 if kkz_rek == 7135
(263 real changes made)

. replace BT_turnout = 0.7523988 if kkz_rek == 7137
(912 real changes made)

. replace BT_turnout = 0.7606341 if kkz_rek == 7138
(1,819 real changes made)

. replace BT_turnout = 0.7691271 if kkz_rek == 7140
(903 real changes made)

. replace BT_turnout = 0.7618013 if kkz_rek == 7141
(1,352 real changes made)

. replace BT_turnout = 0.767259 if kkz_rek == 7143
(1,021 real changes made)

. replace BT_turnout = 0.7183827 if kkz_rek == 7211
(440 real changes made)

. replace BT_turnout = 0.7592845 if kkz_rek == 7231
```

```
(1,212 real changes made)

. replace BT_turnout = 0.7541773 if kkz_rek == 7232
(1,016 real changes made)

. replace BT_turnout = 0.7610871 if kkz_rek == 7233
(204 real changes made)

. replace BT_turnout = 0.7907246 if kkz_rek == 7235
(875 real changes made)

. replace BT_turnout = 0.7328324 if kkz_rek == 7311
(130 real changes made)

. replace BT_turnout = 0.6914334 if kkz_rek == 7312
(760 real changes made)

. replace BT_turnout = 0.7457563 if kkz_rek == 7313
(193 real changes made)

. replace BT_turnout = 0.7088013 if kkz_rek == 7314
(1,666 real changes made)

. replace BT_turnout = 0.7855452 if kkz_rek == 7315
(2,294 real changes made)

. replace BT_turnout = 0.7740668 if kkz_rek == 7316
(360 real changes made)

. replace BT_turnout = 0.6793633 if kkz_rek == 7317
(158 real changes made)

. replace BT_turnout = 0.7447454 if kkz_rek == 7318
(491 real changes made)

. replace BT_turnout = 0.7111425 if kkz_rek == 7319
(1,247 real changes made)

. replace BT_turnout = 0.7040855 if kkz_rek == 7320
(175 real changes made)

. replace BT_turnout = 0.7850553 if kkz_rek == 7331
(939 real changes made)

. replace BT_turnout = 0.7935183 if kkz_rek == 7332
(1,232 real changes made)

. replace BT_turnout = 0.7488217 if kkz_rek == 7333
(739 real changes made)

. replace BT_turnout = 0.7681472 if kkz_rek == 7334
(533 real changes made)

. replace BT_turnout = 0.7657287 if kkz_rek == 7335
(733 real changes made)

. replace BT_turnout = 0.7554981 if kkz_rek == 7336
(1,385 real changes made)

. replace BT_turnout = 0.7922505 if kkz_rek == 7337
(995 real changes made)
```

```
. replace BT_turnout = 0.8120959 if kkz_rek == 7338
(1,524 real changes made)

. replace BT_turnout = 0.810749 if kkz_rek == 7339
(2,210 real changes made)

. replace BT_turnout = 0.7939361 if kkz_rek == 7340
(468 real changes made)

. replace BT_turnout = 0.7814863 if kkz_rek == 8111
(5,696 real changes made)

. replace BT_turnout = 0.7966431 if kkz_rek == 8115
(3,797 real changes made)

. replace BT_turnout = 0.7994082 if kkz_rek == 8116
(5,604 real changes made)

. replace BT_turnout = 0.7663211 if kkz_rek == 8117
(1,572 real changes made)

. replace BT_turnout = 0.7984489 if kkz_rek == 8118
(6,515 real changes made)

. replace BT_turnout = 0.7849361 if kkz_rek == 8119
(3,880 real changes made)

. replace BT_turnout = 0.7209144 if kkz_rek == 8121
(1,207 real changes made)

. replace BT_turnout = 0.7787783 if kkz_rek == 8125
(2,959 real changes made)

. replace BT_turnout = 0.7552961 if kkz_rek == 8126
(852 real changes made)

. replace BT_turnout = 0.7278451 if kkz_rek == 8127
(1,946 real changes made)

. replace BT_turnout = 0.7705595 if kkz_rek == 8128
(979 real changes made)

. replace BT_turnout = 0.7532598 if kkz_rek == 8135
(700 real changes made)

. replace BT_turnout = 0.764399 if kkz_rek == 8136
(2,691 real changes made)

. replace BT_turnout = 0.7501011 if kkz_rek == 8211
(117 real changes made)

. replace BT_turnout = 0.7536404 if kkz_rek == 8212
(2,259 real changes made)

. replace BT_turnout = 0.7823719 if kkz_rek == 8215
(2,339 real changes made)

. replace BT_turnout = 0.7464781 if kkz_rek == 8216
(1,632 real changes made)
```

```
. replace BT_turnout = 0.7900738 if kkz_rek == 8221
(551 real changes made)

. replace BT_turnout = 0.7194574 if kkz_rek == 8222
(4,528 real changes made)

. replace BT_turnout = 0.7508442 if kkz_rek == 8225
(848 real changes made)

. replace BT_turnout = 0.7918566 if kkz_rek == 8226
(3,599 real changes made)

. replace BT_turnout = 0.691421 if kkz_rek == 8231
(889 real changes made)

. replace BT_turnout = 0.7691698 if kkz_rek == 8235
(756 real changes made)

. replace BT_turnout = 0.7893797 if kkz_rek == 8236
(1,836 real changes made)

. replace BT_turnout = 0.7496455 if kkz_rek == 8237
(1,081 real changes made)

. replace BT_turnout = 0.7827608 if kkz_rek == 8311
(1,762 real changes made)

. replace BT_turnout = 0.7908291 if kkz_rek == 8315
(1,592 real changes made)

. replace BT_turnout = 0.7744463 if kkz_rek == 8316
(1,457 real changes made)

. replace BT_turnout = 0.7368174 if kkz_rek == 8317
(2,089 real changes made)

. replace BT_turnout = 0.7529347 if kkz_rek == 8325
(1,160 real changes made)

. replace BT_turnout = 0.7466546 if kkz_rek == 8326
(3,202 real changes made)

. replace BT_turnout = 0.7502341 if kkz_rek == 8327
(2,757 real changes made)

. replace BT_turnout = 0.757688 if kkz_rek == 8335
(2,264 real changes made)

. replace BT_turnout = 0.7355487 if kkz_rek == 8336
(1,936 real changes made)

. replace BT_turnout = 0.7347013 if kkz_rek == 8337
(1,387 real changes made)

. replace BT_turnout = 0.7786956 if kkz_rek == 8415
(2,051 real changes made)

. replace BT_turnout = 0.8098905 if kkz_rek == 8416
(3,131 real changes made)

. replace BT_turnout = 0.7443653 if kkz_rek == 8417
```

```
(1,567 real changes made)

. replace BT_turnout = 0.7675426 if kkz_rek == 8421
(1,065 real changes made)

. replace BT_turnout = 0.79304 if kkz_rek == 8425
(1,100 real changes made)

. replace BT_turnout = 0.7726378 if kkz_rek == 8426
(920 real changes made)

. replace BT_turnout = 0.7828395 if kkz_rek == 8435
(1,374 real changes made)

. replace BT_turnout = 0.7651352 if kkz_rek == 8436
(1,445 real changes made)

. replace BT_turnout = 0.7524514 if kkz_rek == 8437
(1,077 real changes made)

.
.
. save $mydata/hlueders/CPS_replicationdata_working.dta, replace
file /srv/cifs/lissy-users-data/hlueders/CPS_replicationdata_working.dta
    saved

.
end of do-file
```

From: **soep-exec** soep-exec@diw.de
Subject: job 231920 CPS data creation part 3
Date: September 17, 2025 at 8:54 PM
To: hlueders@stanford.edu

```
-------------------------------------------------------------
 All output delivered to you is subject to the signed user contract. Misuse
 includes giving this data to third parties not covered by the user contract
 as well as merely *attempting* to identify individual respondents in this
 dataset.
-------------------------------------------------------------



. use $mydata/hlueders/CPS_replicationdata_working.dta, clear
(SOEP-Core, v37 (Remote Edition), doi:10.5684/soep.core.v37r)

.
. replace BT_turnout = 0.6840428 if kkz_rek == 9161
(846 real changes made)

. replace BT_turnout = 0.7606886 if kkz_rek == 9162
(12,767 real changes made)

. replace BT_turnout = 0.7048016 if kkz_rek == 9163
(273 real changes made)

. replace BT_turnout = 0.7309098 if kkz_rek == 9171
(1,202 real changes made)

. replace BT_turnout = 0.737117 if kkz_rek == 9172
(515 real changes made)

. replace BT_turnout = 0.7773911 if kkz_rek == 9173
(994 real changes made)

. replace BT_turnout = 0.791483 if kkz_rek == 9174
(1,617 real changes made)

. replace BT_turnout = 0.8175328 if kkz_rek == 9175
(843 real changes made)

. replace BT_turnout = 0.7972873 if kkz_rek == 9176
(1,004 real changes made)

. replace BT_turnout = 0.7773573 if kkz_rek == 9177
(790 real changes made)

. replace BT_turnout = 0.7829304 if kkz_rek == 9178
(1,052 real changes made)

. replace BT_turnout = 0.8056935 if kkz_rek == 9179
(3,419 real changes made)

. replace BT_turnout = 0.7690852 if kkz_rek == 9180
(221 real changes made)

. replace BT_turnout = 0.7919419 if kkz_rek == 9181
(931 real changes made)
```

```
. replace BT_turnout = 0.7839085 if kkz_rek == 9182
(500 real changes made)

. replace BT_turnout = 0.729885 if kkz_rek == 9183
(1,554 real changes made)

. replace BT_turnout = 0.8198327 if kkz_rek == 9184
(2,558 real changes made)

. replace BT_turnout = 0.7509973 if kkz_rek == 9185
(1,283 real changes made)

. replace BT_turnout = 0.7599114 if kkz_rek == 9186
(754 real changes made)

. replace BT_turnout = 0.7748305 if kkz_rek == 9187
(1,587 real changes made)

. replace BT_turnout = 0.8284464 if kkz_rek == 9188
(1,308 real changes made)

. replace BT_turnout = 0.7553037 if kkz_rek == 9189
(2,102 real changes made)

. replace BT_turnout = 0.7829456 if kkz_rek == 9190
(925 real changes made)

. replace BT_turnout = 0.7178337 if kkz_rek == 9261
(474 real changes made)

. replace BT_turnout = 0.6996819 if kkz_rek == 9262
(498 real changes made)

. replace BT_turnout = 0.6556013 if kkz_rek == 9263
(867 real changes made)

. replace BT_turnout = 0.6867876 if kkz_rek == 9271
(1,327 real changes made)

. replace BT_turnout = 0.6778223 if kkz_rek == 9272
(276 real changes made)

. replace BT_turnout = 0.7365601 if kkz_rek == 9273
(391 real changes made)

. replace BT_turnout = 0.7646909 if kkz_rek == 9274
(1,221 real changes made)

. replace BT_turnout = 0.6992554 if kkz_rek == 9275
(1,688 real changes made)

. replace BT_turnout = 0.6840634 if kkz_rek == 9276
(236 real changes made)

. replace BT_turnout = 0.7099159 if kkz_rek == 9277
(561 real changes made)

. replace BT_turnout = 0.7631352 if kkz_rek == 9278
(1,014 real changes made)

. replace BT_turnout = 0.7095307 if kkz_rek == 9279
```

(703 real changes made)

. replace BT_turnout = 0.6877044 if kkz_rek == 9361
(985 real changes made)

. replace BT_turnout = 0.7217204 if kkz_rek == 9362
(1,187 real changes made)

. replace BT_turnout = 0.6973756 if kkz_rek == 9363
(256 real changes made)

. replace BT_turnout = 0.7658216 if kkz_rek == 9371
(1,014 real changes made)

. replace BT_turnout = 0.7118661 if kkz_rek == 9372
(1,811 real changes made)

. replace BT_turnout = 0.7835047 if kkz_rek == 9373
(409 real changes made)

. replace BT_turnout = 0.7789649 if kkz_rek == 9374
(1,048 real changes made)

. replace BT_turnout = 0.7710292 if kkz_rek == 9375
(987 real changes made)

. replace BT_turnout = 0.7341778 if kkz_rek == 9376
(768 real changes made)

. replace BT_turnout = 0.7705643 if kkz_rek == 9377
(226 real changes made)

. replace BT_turnout = 0.7219658 if kkz_rek == 9461
(551 real changes made)

. replace BT_turnout = 0.712639 if kkz_rek == 9462
(1,042 real changes made)

. replace BT_turnout = 0.7209926 if kkz_rek == 9463
(562 real changes made)

. replace BT_turnout = 0.6970066 if kkz_rek == 9464
(601 real changes made)

. replace BT_turnout = 0.7842617 if kkz_rek == 9471
(2,062 real changes made)

. replace BT_turnout = 0.7784072 if kkz_rek == 9472
(991 real changes made)

. replace BT_turnout = 0.7676323 if kkz_rek == 9473
(513 real changes made)

. replace BT_turnout = 0.7920778 if kkz_rek == 9474
(590 real changes made)

. replace BT_turnout = 0.7618195 if kkz_rek == 9475
(1,677 real changes made)

. replace BT_turnout = 0.7579365 if kkz_rek == 9476
(951 real changes made)

```
. replace BT_turnout = 0.7606798 if kkz_rek == 9477
(521 real changes made)

. replace BT_turnout = 0.7559174 if kkz_rek == 9478
(868 real changes made)

. replace BT_turnout = 0.7317528 if kkz_rek == 9479
(987 real changes made)

. replace BT_turnout = 0.6928023 if kkz_rek == 9561
(196 real changes made)

. replace BT_turnout = 0.781981 if kkz_rek == 9562
(986 real changes made)

. replace BT_turnout = 0.7100069 if kkz_rek == 9563
(1,378 real changes made)

. replace BT_turnout = 0.7277556 if kkz_rek == 9564
(4,234 real changes made)

. replace BT_turnout = 0.75157 if kkz_rek == 9565
(111 real changes made)

. replace BT_turnout = 0.756179 if kkz_rek == 9571
(822 real changes made)

. replace BT_turnout = 0.8090281 if kkz_rek == 9572
(1,460 real changes made)

. replace BT_turnout = 0.8006604 if kkz_rek == 9573
(459 real changes made)

. replace BT_turnout = 0.7992879 if kkz_rek == 9574
(1,160 real changes made)

. replace BT_turnout = 0.7584896 if kkz_rek == 9575
(338 real changes made)

. replace BT_turnout = 0.7965868 if kkz_rek == 9576
(1,129 real changes made)

. replace BT_turnout = 0.7463651 if kkz_rek == 9577
(711 real changes made)

. replace BT_turnout = 0.7120917 if kkz_rek == 9661
(576 real changes made)

. replace BT_turnout = 0.6807203 if kkz_rek == 9662
(706 real changes made)

. replace BT_turnout = 0.7450677 if kkz_rek == 9663
(478 real changes made)

. replace BT_turnout = 0.790583 if kkz_rek == 9671
(1,383 real changes made)

. replace BT_turnout = 0.7680004 if kkz_rek == 9672
(866 real changes made)
```

```
. replace BT_turnout = 0.7698753 if kkz_rek == 9673
(148 real changes made)

. replace BT_turnout = 0.7817832 if kkz_rek == 9674
(731 real changes made)

. replace BT_turnout = 0.7673723 if kkz_rek == 9675
(1,090 real changes made)

. replace BT_turnout = 0.7730446 if kkz_rek == 9676
(1,471 real changes made)

. replace BT_turnout = 0.7865251 if kkz_rek == 9677
(441 real changes made)

. replace BT_turnout = 0.8007092 if kkz_rek == 9678
(1,087 real changes made)

. replace BT_turnout = 0.8187466 if kkz_rek == 9679
(750 real changes made)

. replace BT_turnout = 0.7042881 if kkz_rek == 9761
(2,087 real changes made)

. replace BT_turnout = 0.6952905 if kkz_rek == 9762
(567 real changes made)

. replace BT_turnout = 0.6938007 if kkz_rek == 9763
(702 real changes made)

. replace BT_turnout = 0.7140365 if kkz_rek == 9764
(40 real changes made)

. replace BT_turnout = 0.7862081 if kkz_rek == 9771
(1,398 real changes made)

. replace BT_turnout = 0.7708035 if kkz_rek == 9772
(2,030 real changes made)

. replace BT_turnout = 0.7358308 if kkz_rek == 9773
(370 real changes made)

. replace BT_turnout = 0.7261322 if kkz_rek == 9774
(1,067 real changes made)

. replace BT_turnout = 0.7481363 if kkz_rek == 9775
(1,795 real changes made)

. replace BT_turnout = 0.7584513 if kkz_rek == 9776
(573 real changes made)

. replace BT_turnout = 0.771623 if kkz_rek == 9777
(1,406 real changes made)

. replace BT_turnout = 0.7580229 if kkz_rek == 9778
(773 real changes made)

. replace BT_turnout = 0.7663031 if kkz_rek == 9779
(690 real changes made)

. replace BT_turnout = 0.780302 if kkz_rek == 9780
```

```
(1,846 real changes made)

. replace BT_turnout = 0.7410881 if kkz_rek == 10041
(2,767 real changes made)

. replace BT_turnout = 0.7750829 if kkz_rek == 10042
(916 real changes made)

. replace BT_turnout = 0.7546275 if kkz_rek == 10043
(1,636 real changes made)

. replace BT_turnout = 0.7704127 if kkz_rek == 10044
(1,229 real changes made)

. replace BT_turnout = 0.7812241 if kkz_rek == 10045
(1,414 real changes made)

. replace BT_turnout = 0.8097119 if kkz_rek == 10046
(288 real changes made)

. replace BT_turnout = 0.7479537 if kkz_rek == 11000
(27,968 real changes made)

. replace BT_turnout = 0.6418524 if kkz_rek == 12051
(407 real changes made)

. replace BT_turnout = 0.6899214 if kkz_rek == 12052
(1,571 real changes made)

. replace BT_turnout = 0.6831703 if kkz_rek == 12053
(436 real changes made)

. replace BT_turnout = 0.7608504 if kkz_rek == 12054
(2,102 real changes made)

. replace BT_turnout = 0.7151163 if kkz_rek == 12060
(1,910 real changes made)

. replace BT_turnout = 0.7461178 if kkz_rek == 12061
(1,425 real changes made)

. replace BT_turnout = 0.7198936 if kkz_rek == 12062
(2,236 real changes made)

. replace BT_turnout = 0.7200133 if kkz_rek == 12063
(595 real changes made)

. replace BT_turnout = 0.7145014 if kkz_rek == 12064
(2,463 real changes made)

. replace BT_turnout = 0.7283244 if kkz_rek == 12065
(1,608 real changes made)

. replace BT_turnout = 0.6937434 if kkz_rek == 12066
(1,233 real changes made)

. replace BT_turnout = 0.7167995 if kkz_rek == 12067
(1,824 real changes made)

. replace BT_turnout = 0.6673012 if kkz_rek == 12068
(659 real changes made)
```

```
. replace BT_turnout = 0.7575244 if kkz_rek == 12069
(2,494 real changes made)

. replace BT_turnout = 0.691462 if kkz_rek == 12070
(1,414 real changes made)

. replace BT_turnout = 0.7168441 if kkz_rek == 12071
(1,828 real changes made)

. replace BT_turnout = 0.7166286 if kkz_rek == 12072
(1,957 real changes made)

. replace BT_turnout = 0.6776733 if kkz_rek == 12073
(1,996 real changes made)

. replace BT_turnout = 0.6957315 if kkz_rek == 13003
(2,137 real changes made)

. replace BT_turnout = 0.7020898 if kkz_rek == 13004
(1,524 real changes made)

. replace BT_turnout = 0.6677127 if kkz_rek == 13071
(2,159 real changes made)

. replace BT_turnout = 0.6953374 if kkz_rek == 13072
(2,360 real changes made)

. replace BT_turnout = 0.6647114 if kkz_rek == 13073
(2,784 real changes made)

. replace BT_turnout = 0.677156 if kkz_rek == 13074
(1,616 real changes made)

. replace BT_turnout = 0.6664934 if kkz_rek == 13075
(2,202 real changes made)

. replace BT_turnout = 0.6922016 if kkz_rek == 13076
(1,490 real changes made)

. replace BT_turnout = 0.6961152 if kkz_rek == 14511
(2,397 real changes made)

. replace BT_turnout = 0.7004692 if kkz_rek == 14521
(6,001 real changes made)

. replace BT_turnout = 0.6981078 if kkz_rek == 14522
(3,055 real changes made)

. replace BT_turnout = 0.6897646 if kkz_rek == 14523
(2,317 real changes made)

. replace BT_turnout = 0.684515 if kkz_rek == 14524
(4,707 real changes made)

. replace BT_turnout = 0.7357227 if kkz_rek == 14612
(4,700 real changes made)

. replace BT_turnout = 0.7031913 if kkz_rek == 14625
(3,789 real changes made)
```

```
. replace BT_turnout = 0.6811097 if kkz_rek == 14626
(3,603 real changes made)

. replace BT_turnout = 0.7032029 if kkz_rek == 14627
(1,972 real changes made)

. replace BT_turnout = 0.712047 if kkz_rek == 14628
(1,840 real changes made)

. replace BT_turnout = 0.6969867 if kkz_rek == 14713
(6,231 real changes made)

. replace BT_turnout = 0.692628 if kkz_rek == 14729
(4,239 real changes made)

. replace BT_turnout = 0.6665347 if kkz_rek == 14730
(1,883 real changes made)

. replace BT_turnout = 0.6531634 if kkz_rek == 15001
(1,057 real changes made)

. replace BT_turnout = 0.6600658 if kkz_rek == 15002
(2,556 real changes made)

. replace BT_turnout = 0.6472597 if kkz_rek == 15003
(3,235 real changes made)

. replace BT_turnout = 0.6460826 if kkz_rek == 15081
(1,379 real changes made)

. replace BT_turnout = 0.6228551 if kkz_rek == 15082
(1,290 real changes made)

. replace BT_turnout = 0.6359743 if kkz_rek == 15083
(2,000 real changes made)

. replace BT_turnout = 0.6300703 if kkz_rek == 15084
(2,144 real changes made)

. replace BT_turnout = 0.6222077 if kkz_rek == 15085
(2,106 real changes made)

. replace BT_turnout = 0.6418045 if kkz_rek == 15086
(995 real changes made)

. replace BT_turnout = 0.6195506 if kkz_rek == 15087
(2,460 real changes made)

. replace BT_turnout = 0.6440179 if kkz_rek == 15088
(1,993 real changes made)

. replace BT_turnout = 0.6000611 if kkz_rek == 15089
(3,751 real changes made)

. replace BT_turnout = 0.6330116 if kkz_rek == 15090
(1,743 real changes made)

. replace BT_turnout = 0.6590493 if kkz_rek == 15091
(884 real changes made)

. replace BT_turnout = 0.7244151 if kkz_rek == 16051
```

```
(3,314 real changes made)

. replace BT_turnout = 0.7010053 if kkz_rek == 16052
(870 real changes made)

. replace BT_turnout = 0.756715 if kkz_rek == 16053
(1,691 real changes made)

. replace BT_turnout = 0.6973441 if kkz_rek == 16054
(544 real changes made)

. replace BT_turnout = 0.7312337 if kkz_rek == 16055
(644 real changes made)

. replace BT_turnout = 0.7040766 if kkz_rek == 16056
(269 real changes made)

. replace BT_turnout = 0.7504262 if kkz_rek == 16061
(1,776 real changes made)

. replace BT_turnout = 0.6955894 if kkz_rek == 16062
(1,012 real changes made)

. replace BT_turnout = 0.7180349 if kkz_rek == 16063
(2,677 real changes made)

. replace BT_turnout = 0.6992767 if kkz_rek == 16064
(782 real changes made)

. replace BT_turnout = 0.6869043 if kkz_rek == 16065
(1,177 real changes made)

. replace BT_turnout = 0.7002598 if kkz_rek == 16066
(985 real changes made)

. replace BT_turnout = 0.7114699 if kkz_rek == 16067
(623 real changes made)

. replace BT_turnout = 0.7033675 if kkz_rek == 16068
(98 real changes made)

. replace BT_turnout = 0.7054139 if kkz_rek == 16069
(1,036 real changes made)

. replace BT_turnout = 0.729592 if kkz_rek == 16070
(1,455 real changes made)

. replace BT_turnout = 0.7308562 if kkz_rek == 16071
(850 real changes made)

. replace BT_turnout = 0.6863804 if kkz_rek == 16072
(1,151 real changes made)

. replace BT_turnout = 0.7106448 if kkz_rek == 16073
(1,594 real changes made)

. replace BT_turnout = 0.7417912 if kkz_rek == 16074
(1,779 real changes made)

. replace BT_turnout = 0.7268371 if kkz_rek == 16075
(1,194 real changes made)
```

```
. replace BT_turnout = 0.7341097 if kkz_rek == 16076
(1,041 real changes made)

. replace BT_turnout = 0.687317 if kkz_rek == 16077
(1,264 real changes made)

.
.
. *** save
. save $mydata/hlueders/CPS_replicationdata_working.dta, replace
file /srv/cifs/lissy-users-data/hlueders/CPS_replicationdata_working.dta
    saved

.
.
.
.
.
end of do-file
```

From: **soep-exec** soep-exec@diw.de
Subject: job 231999 CPS data creation part 4
Date: September 18, 2025 at 8:45 AM
To: hlueders@stanford.edu

```
-----------------------------------------------------------
 All output delivered to you is subject to the signed user contract. Misuse
 includes giving this data to third parties not covered by the user contract
 as well as merely *attempting* to identify individual respondents in this
 dataset.
-----------------------------------------------------------



. use $mydata/hlueders/CPS_replicationdata_working.dta, clear
(SOEP-Core, v37 (Remote Edition), doi:10.5684/soep.core.v37r)

.
.
. *** code instances of domestic migration
. * any move: HH address change
. gen move_addressHH = .
(742,822 missing values generated)

. replace move_addressHH = 1 if addressHH >=1 & addressHH != 6 & addressHH != .
>
(46,282 real changes made)

. replace move_addressHH = 0 if addressHH <1
(696,540 real changes made)

.
. * move across county boders
. sort pid syear

. by pid: gen kkz_rek_lag = kkz_rek[_n-1]
(103,460 missing values generated)

. gen move_kreis = .
(742,822 missing values generated)

. replace move_kreis = 0 if kkz_rek == kkz_rek_lag & kkz_rek !=. & kkz_rek_lag
> != . & kkz_rek >=1 & kkz_rek_lag >= 1
(613,694 real changes made)

. replace move_kreis = 1 if kkz_rek != kkz_rek_lag & kkz_rek !=. & kkz_rek_lag
> != . & kkz_rek >=1 & kkz_rek_lag >= 1
(14,027 real changes made)

.
. * move across state borders
. sort pid syear

. by pid: gen bula_lag = bula[_n-1]
(103,460 missing values generated)

. gen move_land = .
(742,822 missing values generated)

. replace move_land = 0 if bula == bula_lag & bula !=. & bula_lag != . & bula >
```

```
> =1 & bula_lag >= 1
(633,786 real changes made)

. replace move_land = 1 if bula != bula_lag & bula !=. & bula_lag != . & bula >
> =1 & bula_lag >= 1
(5,574 real changes made)

.
. * move across county borders within the same state
. gen move_sameland = .
(742,822 missing values generated)

. replace move_sameland = 0 if move_kreis == 0
(613,694 real changes made)

. replace move_sameland = 1 if move_kreis == 1 & move_land == 0
(8,522 real changes made)

.
.
. *** Number of moves included in the survey
. * any move
. bysort pid: egen moveTotal_addressHH = sum(move_addressHH)

.
. * moves across county borders
. bysort pid: egen moveTotal_kreis = sum(move_kreis)

.
. * moves across state borders
. bysort pid: egen moveTotal_land = sum(move_land)

.
. * moves across county borders in the same state
. bysort pid: egen moveTotal_sameland = sum(move_sameland)

.
.
.
.
. *** years to / since migration
. * identify years that respondents moved across Kreise
. gen move_kreis_year = syear if move_kreis == 1
(728,795 missing values generated)

.
. * years since last move
. sort pid syear

. gen move_kreis_year_lastmove = move_kreis_year
(728,795 missing values generated)

. by pid: replace move_kreis_year_lastmove = move_kreis_year_lastmove[_n-1] if
> move_kreis_year_lastmove == .
(64385 real changes made)

. gen move_kreis_yearsince = syear - move_kreis_year_lastmove
(664,410 missing values generated)

. replace move_kreis_yearsince = 0 if move_kreis != . & move_kreis_yearsince ==
>  .
```

```
(549,315 real changes made)

. soepdrop move_kreis_year_lastmove

.
. * years to next move
. gsort + pid - syear

. gen move_kreis_year_nextmove = move_kreis_year
(728,795 missing values generated)

. by pid: replace move_kreis_year_nextmove = move_kreis_year_nextmove[_n-1] if
> move_kreis_year_nextmove == .
(59860 real changes made)

. gen move_kreis_yearsto = move_kreis_year_nextmove - syear
(668,935 missing values generated)

. replace move_kreis_yearsto = 0 if move_kreis != . & move_kreis_yearsto == .
(565,104 real changes made)

. soepdrop move_kreis_year_nextmove

.
. * year of first move
. gen aux = syear if move_kreis == 1
(728,795 missing values generated)

. bysort pid: egen move_kreis_firstyear = mean(aux)
(615,089 missing values generated)

. replace move_kreis_firstyear = 0 if move_kreis_firstyear == .
(615,089 real changes made)

. soepdrop aux

.
. * bottom- and top-code around +/- 10 years before/after move
. replace move_kreis_yearsto = 10 if move_kreis_yearsto > 10 & move_kreis_years
> to != .
(6,611 real changes made)

. replace move_kreis_yearsince = 10 if move_kreis_yearsince > 10 & move_kreis_y
> earsince != .
(13,684 real changes made)

.
.
.
.
.
.
.
. *** Code years before/after a move by distance 1: any distance
. * identify years with a move
. gen year_move_addressHH = syear if move_addressHH == 1
(696,540 missing values generated)

.
. * last year someone moved
. gen year_move_addressHH_last = year_move_addressHH
```

```
(696,540 missing values generated)

. sort pid syear

. by pid: replace year_move_addressHH_last = year_move_addressHH_last[_n-1] if
> year_move_addressHH_last == .
(182781 real changes made)


.
. * first year someone moved
. by pid: egen year_move_addressHH_min = min(year_move_addressHH)
(406,413 missing values generated)


.
. * code years before/after a move
. gen aux2 = syear - year_move_addressHH_min
(406,413 missing values generated)

. gen move_addressHH_prepost = 0

. replace move_addressHH_prepost = 1 if aux2 >= -5 & aux2 <= -1
(71,691 real changes made)

. replace move_addressHH_prepost = 2 if aux2 == 0
(29,251 real changes made)

. replace move_addressHH_prepost = 3 if aux2 >= 1 & aux2 <= 5
(91,904 real changes made)

. replace move_addressHH_prepost = 4 if aux2 >= 6 & aux2 != .
(107,908 real changes made)

. label define move_addressHH_prepost 0 "baseline" 1 "1-5 pre" 2 "move" 3 "1-5
> post" 4 "6+ post"

. label value move_addressHH_prepost move_addressHH_prepost


.
. soepdrop aux aux2


.
. * recode to missing for everyone who has moved across counties at least once
. replace move_addressHH_prepost = . if moveTotal_kreis != 0
(127,733 real changes made, 127,733 to missing)


.
. * recode to missing for second move and later years
. replace move_addressHH_prepost = . if moveTotal_addressHH > 1 & year_move_add
> ressHH_last > year_move_addressHH_min & year_move_addressHH_last != . & year_
> move_addressHH_min != .
(39,445 real changes made, 39,445 to missing)


.
.
.
.
.
.
. *** Code years before/after a move by distance 2: cross-county move
. * identify years with a move
. gen year_move_kreis = syear if move_kreis == 1
```

```
(728,795 missing values generated)

.
. * last year someone moved
. gen year_move_kreis_last = year_move_kreis
(728,795 missing values generated)

. sort pid syear

. by pid: replace year_move_kreis_last = year_move_kreis_last[_n-1] if year_mov
> e_kreis_last == .
(64385 real changes made)

.
. * first year someone moved
. by pid: egen year_move_kreis_min = min(year_move_kreis)
(615,089 missing values generated)

.
. * code years before/after a move
. gen aux2 = syear - year_move_kreis_min
(615,089 missing values generated)

. gen move_kreis_prepost = 0

. replace move_kreis_prepost = 1 if aux2 >= -5 & aux2 <= -1
(32,378 real changes made)

. replace move_kreis_prepost = 2 if aux2 == 0
(9,905 real changes made)

. replace move_kreis_prepost = 3 if aux2 >= 1 & aux2 <= 5
(31,311 real changes made)

. replace move_kreis_prepost = 4 if aux2 >= 6 & aux2 != .
(37,196 real changes made)

. label define move_kreis_prepost 0 "baseline" 1 "1-5 pre" 2 "move" 3 "1-5 post
> " 4 "6+ post"

. label value move_kreis_prepost move_kreis_prepost

.
. soepdrop aux aux2

.
. * recode as missing in year of second move and later years
. replace move_kreis_prepost = . if moveTotal_kreis > 1 & year_move_kreis_last
> > year_move_kreis_min & year_move_kreis_last != . & year_move_kreis_min != .
(23,728 real changes made, 23,728 to missing)

.
.
.
.
.
.
.
.
. *** Code years before/after a move by distance 3: cross-county same-state mov
> e
```

```
. * identify year with a move
. gen year_move_sameland = syear if move_sameland == 1
(734,300 missing values generated)

.
. * last year someone moved
. gen year_move_sameland_last = year_move_sameland
(734,300 missing values generated)

. sort pid syear

. by pid: replace year_move_sameland_last = year_move_sameland_last[_n-1] if ye
> ar_move_sameland_last == .
(43530 real changes made)

.
. * first year someone moved
. by pid: egen year_move_sameland_min = min(year_move_sameland)
(656,459 missing values generated)

.
. * years before/after a move
. gen aux2 = syear - year_move_sameland_min
(656,459 missing values generated)

. gen move_sameland_prepost = 0

. replace move_sameland_prepost = 1 if aux2 >= -5 & aux2 <= -1
(21,959 real changes made)

. replace move_sameland_prepost = 2 if aux2 == 0
(6,453 real changes made)

. replace move_sameland_prepost = 3 if aux2 >= 1 & aux2 <= 5
(20,654 real changes made)

. replace move_sameland_prepost = 4 if aux2 >= 6 & aux2 != .
(24,945 real changes made)

. label define move_sameland_prepost 0 "baseline" 1 "1-5 pre" 2 "move" 3 "1-5 p
> ost" 4 "6+ post"

. label value move_sameland_prepost move_sameland_prepost

.
. soepdrop aux aux2

.
. * recode to missing for everyone who has moved across state borders
. replace move_sameland_prepost = . if moveTotal_land != 0
(55,524 real changes made, 55,524 to missing)

.
. * recode as missing in year of second move and later years
. replace move_sameland_prepost = . if moveTotal_sameland > 1 & year_move_samel
> and_last > year_move_sameland_min & year_move_sameland_last != . & year_move_
> sameland_min != .
(11,141 real changes made, 11,141 to missing)

.
.
```

```
.
.
. *** Code years before/after a move by distance 4: cross-Land move
. * identify years with a move
. gen year_move_land = syear if move_land == 1
(737,248 missing values generated)


.
. * last year someone moved
. gen year_move_land_last = year_move_land
(737,248 missing values generated)

. sort pid syear

. by pid: replace year_move_land_last = year_move_land_last[_n-1] if year_move_
> land_last == .
(27733 real changes made)


.
. * first year someone moved
. by pid: egen year_move_land_min = min(year_move_land)
(687,298 missing values generated)


.
. * years before/after a move
. gen aux2 = syear - year_move_land_min
(687,298 missing values generated)

. gen move_land_prepost = 0

. replace move_land_prepost = 1 if aux2 >= -5 & aux2 <= -1
(13,991 real changes made)

. replace move_land_prepost = 2 if aux2 == 0
(4,300 real changes made)

. replace move_land_prepost = 3 if aux2 >= 1 & aux2 <= 5
(13,529 real changes made)

. replace move_land_prepost = 4 if aux2 >= 6 & aux2 != .
(15,478 real changes made)

. label define move_land_prepost 0 "baseline" 1 "1-5 pre" 2 "move" 3 "1-5 post"
>  4 "6+ post"

. label value move_land_prepost move_land_prepost

.
. soepdrop aux aux2


.
. * recode to missing for everyone who moved in the same state
. replace move_land_prepost = . if moveTotal_sameland != 0 & moveTotal_sameland
>  != .
(86,363 real changes made, 86,363 to missing)


.
. * recode to missing in year of second move and later years
. replace move_land_prepost = . if moveTotal_land > 1 & year_move_land_last > y
> ear_move_land_min & year_move_land_last != . & year_move_land_min != .
(5,617 real changes made, 5,617 to missing)
```

```
.
.
. *** define period after a cross-county move
. gen move_kreis_post = 0

. replace move_kreis_post = 1 if syear >= year_move_kreis_min
(78,412 real changes made)

. label define move_kreis_post 0 "baseline" 1 "post-move"

. label value move_kreis_post move_kreis_post

.
. * recode this variable to missing for year of second move and later years
. replace move_kreis_post = . if moveTotal_kreis > 1 & year_move_kreis_last > y
> ear_move_kreis_min & year_move_kreis_last != . & year_move_kreis_min != .
(23,728 real changes made, 23,728 to missing)

.
.
.
.
.
.
.
.
. *** individual-level moderators
. * define age cutoff: younger/older than 29
. gen aux = age if year_move_kreis_min == syear
(733,057 missing values generated)

. bysort pid: egen ageMove29 = mean(aux)
(616,066 missing values generated)

.
. bysort pid: egen ageMedian29 = median(age)
(44 missing values generated)

.
. gen age_old29 = .
(742,822 missing values generated)

. replace age_old29 = 0 if ageMove29<= 29 | ageMedian29 <= 29
(151,319 real changes made)

. replace age_old29 = 1 if (ageMove29 > 29 & ageMove29 !=.) | (ageMedian29 > 29
>  & ageMedian29 !=. )
(613,289 real changes made)

. label define age_old29 0 "young" 1 "old"

. label value age_old29 age_old29

.
. soepdrop aux ageMove29 ageMedian29

.
. * Abitur
. sort pid syear
```

```
. by pid: egen abiturSUM = mean(abitur)
(9,009 missing values generated)

. replace abiturSUM = 1 if abiturSUM > 0 & abiturSUM != .
(34,110 real changes made)

. label define abiturSUM 0 "no" 1 "Abitur"

. label value abiturSUM abiturSUM

.
.
. * College degree
. sort pid syear

. by pid: egen collegeSUM = mean(college)
(3,268 missing values generated)

. replace collegeSUM = 1 if collegeSUM > 0 & collegeSUM != .
(36,723 real changes made)

. label define collegeSUM 0 "no" 1 "College degree"

. label value collegeSUM collegeSUM

.
.
.
.
.
.
. *** code migration between places with varying federal turnout
. * lag turnout
. sort pid syear

. by pid: gen BT_turnout_lag = BT_turnout[_n-1]
(115,075 missing values generated)

.
. * difference
. gen BT_turnout_diff = BT_turnout - BT_turnout_lag if move_kreis == 1 & BT_tur
> nout !=. & BT_turnout_lag != .
(728,795 missing values generated)

.
. * identify movements between low and high areas: 1 SD
. gen move_lowhigh_turnout1 = .
(742,822 missing values generated)

. replace move_lowhigh_turnout1 = 1 if abs(BT_turnout_diff) < 0.0408333
(9,138 real changes made)

. replace move_lowhigh_turnout1 = 2 if BT_turnout_diff >= 0.0408333 & BT_turnou
> t_diff != .
(2,845 real changes made)

. replace move_lowhigh_turnout1 = 3 if BT_turnout_diff <= -0.0408333 & BT_turno
> ut_diff != .
(2,044 real changes made)

.
```

```
. soepdrop BT_turnout_diff

.
. * create classes: 1 SD
. bysort pid: egen aux = mean(move_lowhigh_turnout1)
(615,089 missing values generated)

. gen migrant_lowhigh_turnout1 = 0

. replace migrant_lowhigh_turnout1 = 1 if aux == 2
(22,480 real changes made)

. replace migrant_lowhigh_turnout1 = 2 if aux == 3
(9,860 real changes made)

. label define migrant_lowhigh_turnout1 0 "baseline" 1 "l-h" 2 "h-l"

. label value migrant_lowhigh_turnout1 migrant_lowhigh_turnout1

. soepdrop aux

.
.
.
. *** code migration between places with varying local attachments
. * code average ties
. bysort kkz_rek: egen tiesAVG = mean(ties)

.
. * lag variable
. sort pid syear

. by pid: gen tiesAVG_lag = tiesAVG[_n-1]
(103,460 missing values generated)

.
. * difference
. gen diff = tiesAVG - tiesAVG_lag if move_kreis == 1 & tiesAVG !=. & tiesAVG_l
> ag != .
(728,795 missing values generated)

.
. * identify movements between low and high areas: 1 SD
. gen move_lowhigh_ties1 = .
(742,822 missing values generated)

. replace move_lowhigh_ties1 = 1 if abs(diff) < 0.1270113
(7,909 real changes made)

. replace move_lowhigh_ties1 = 2 if diff >= 0.1270113 & diff != .
(3,026 real changes made)

. replace move_lowhigh_ties1 = 3 if diff <= -0.1270113 & diff != .
(3,092 real changes made)

.
. soepdrop diff

.
. * create classes: 1 SD
. bysort pid: egen aux = mean(move_lowhigh_ties1)
```

```
(615,089 missing values generated)

. gen migrant_lowhigh_ties1 = 0

. replace migrant_lowhigh_ties1 = 1 if aux == 2
(24,222 real changes made)

. replace migrant_lowhigh_ties1 = 2 if aux == 3
(17,203 real changes made)

. label define migrant_lowhigh_ties1 0 "baseline" 1 "l-h" 2 "h-l"

. label value migrant_lowhigh_ties1 migrant_lowhigh_ties1

. soepdrop aux

.
.
.
.
.
. *** Remove respondents who are not German
. soepkeep if german == 1
(108,569 observations deleted)

.
.
.
. *** save
. save $mydata/hlueders/CPS_replicationdata.dta, replace
file /srv/cifs/lissy-users-data/hlueders/CPS_replicationdata.dta saved

.
.
.
.
.
end of do-file
```