

# CCES

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## Variable Selection

This is CCES 2016, which is short for cooperative congressional election survey. This is a high-quality survey with large-N subjects. Comparing with the previous ANES survey, this one has fewer missing points.

```
# Data is CCES 2016, download directly online, takes sometime.
# https://dataverse.harvard.edu/dataset.xhtml?persistentId=doi%3A10.7910/DVN/GDF6Z0
load(url("https://dataverse.harvard.edu/api/access/datafile/3004425?format=RData&gbrecs=true"))
```

## Some variables of interest

### Possible DV

```
#Post test: did you vote in 2016 election
table(x$CC16_401)
```

```
##
## I did not vote in the election this November.
##                                     1802
## I thought about voting this time - but didn't
##                                     750
##           I usually vote, but didn't this time.
##                                     754
## I attempted to vote but did not or could not.
##                                     487
##   I definitely voted in the General Election.
##                                     45292
##                                     Skipped
##                                     0
##                                     Not Asked
##                                     0
```

```
#Pre test: did you intend to vote in 2016
table(x$CC16_364)
```

```
##
##           Yes, definitely           Probably
##           49805                     4828
## I already voted (early or absentee)           No
##           1521                     5211
##           Undecided                     Skipped
##           3123                     0
##           Not Asked
##           0
```

```
#Post: who did you vote for in 2016
table(x$CC16_410a)
```

```
##
##      Donald Trump (Republican)      Hillary Clinton (Democrat)
##              18755                      22136
##      Gary Johnson (Libertarian)      Jill Stein (Green)
##              1829                      913
##              Other I didn't vote in this election
##              1136                      81
##              I'm not sure      Evan McMullin (Independent)
##              229                      163
##              Skipped                      Not Asked
##              0                      0
```

```
#Pre test: did you register to vote
table(x$voteereg)
```

```
##
##      Yes      No Don't know      Skipped      Not Asked
##      57066      6677      857      0      0
```

```
#Pre test: Did you register to vote in District 'x'?
table(x$voteereg_f)
```

```
##
##      Yes      No      Skipped Not Asked
##      54427      2640      0      0
```

```
#Post test: Did you register to vote?
table(x$voteereg_f_post)
```

```
##
##      Yes      No      Skipped Not Asked
##      1161      116      0      0
```

```
#Post test: did you register to vote in District 'x'?
table(x$voteereg_post)
```

```
##
##      Yes      No Don't know      Skipped      Not Asked
##      48885      3735      279      0      0
```

## Possible Independent Variables

```
#-----
#demographics
#gender: male female
table(x$gender)
```

```
##
##      Male      Female      Skipped Not Asked
##      29531      35069      0      0
```

```
#highest education
```

```
table(x$educ)
```

```
##
##           No HS High school graduate           Some college
##           1971           16381           15685
##           2-year           4-year           Post-grad
##           7169           14884           8510
##           Skipped           Not Asked
##           0           0
```

```
#race
```

```
table(x$race)
```

```
##
##           White           Black           Hispanic           Asian
##           46289           7926           5238           2278
## Native American           Mixed           Other Middle Eastern
##           522           1452           760           135
##           Skipped           Not Asked
##           0           0
```

```
#hispanic: are you hispanic or decents?
```

```
table(x$hispanic)
```

```
##
##           Yes           No           Skipped Not Asked
##           2257           56893           0           0
```

```
#hispanic origin
```

```
# - No country in particular
```

```
table(x$Hispanic_origin_1)
```

```
##
##           Yes           No           Skipped Not Asked
##           93           7456           0           0
```

```
# - United States
```

```
table(x$Hispanic_origin_2)
```

```
##
##           Yes           No           Skipped Not Asked
##           2780           4769           0           0
```

```
# - Mexico
```

```
table(x$Hispanic_origin_3)
```

```
##
##           Yes           No           Skipped Not Asked
##           2804           4745           0           0
```

```
# - Puerto Rico
```

```
table(x$Hispanic_origin_4)
```

```
##
##           Yes           No           Skipped Not Asked
##           1186           6363           0           0
```

```
# - Cuba
```

```
table(x$Hispanic_origin_5)
```

```
##
```

```
##      Yes      No  Skipped Not Asked
##      471     7078         0        0
```

```
# - Dominican Republic
```

```
table(x$Hispanic_origin_6)
```

```
##
```

```
##      Yes      No  Skipped Not Asked
##      217     7332         0        0
```

```
# - South America
```

```
table(x$Hispanic_origin_7)
```

```
##
```

```
##      Yes      No  Skipped Not Asked
##      619     6930         0        0
```

```
# - Central America
```

```
table(x$Hispanic_origin_8)
```

```
##
```

```
##      Yes      No  Skipped Not Asked
##      344     7205         0        0
```

```
# - Spain
```

```
table(x$Hispanic_origin_9)
```

```
##
```

```
##      Yes      No  Skipped Not Asked
##      77     7472         0        0
```

```
#marriage
```

```
table(x$marstat)
```

```
##
```

```
##      Married      Separated      Divorced
##      34495      1021      6715
##      Widowed      Single Domestic partnership
##      2928      16550      2835
##      Skipped      Not Asked
##      0      0
```

```
#age
```

```
table(x$birthyr)
```

```
##
```

```
##      Skipped Not Asked
##      0      0
```

```
###table(x$age4)
```

```
#education
```

```
table(x$educ)
```

```
##
```

```
##      No HS High school graduate      Some college
```

```
##          1971          16381          15685
##          2-year          4-year          Post-grad
##          7169          14884          8510
##          Skipped          Not Asked
##          0          0
```

```
#state
table(x$inputstate)
```

```
##
##          Alabama          Alaska
##          792          115
##          Arizona          Arkansas
##          1507          538
##          California          Colorado
##          6021          1022
##          Connecticut          Delaware
##          732          267
##          District of Columbia          Florida
##          192          4988
##          Georgia          Hawaii
##          2062          200
##          Idaho          Illinois
##          326          2634
##          Indiana          Iowa
##          1397          688
##          Kansas          Kentucky
##          541          933
##          Louisiana          Maine
##          689          329
##          Maryland          Massachusetts
##          1200          1442
##          Michigan          Minnesota
##          2110          1083
##          Mississippi          Missouri
##          409          1309
##          Montana          Nebraska
##          191          370
##          Nevada          New Hampshire
##          695          376
##          New Jersey          New Mexico
##          1831          383
##          New York          North Carolina
##          4320          2004
##          North Dakota          Ohio
##          126          2698
##          Oklahoma          Oregon
##          624          1022
##          Pennsylvania          Rhode Island
##          3524          212
##          South Carolina          South Dakota
##          857          167
##          Tennessee          Texas
##          1215          4462
##          Utah          Vermont
```

```
##          531          132
##      Virginia      Washington
##      2008          1444
##      West Virginia      Wisconsin
##      429          1354
##      Wyoming      American Samoa
##      99          0
## Federated States of Micronesia      Guam
##      0          0
##      Marshall Islands      Northern Mariana Islands
##      0          0
##      Palau      Puerto Rico
##      0          0
##      U.S. Minor Outlying Islands      Virgin Islands
##      0          0
##      Alberta      British Columbia
##      0          0
##      Manitoba      New Brunswick
##      0          0
##      Newfoundland      Northwest Territories
##      0          0
##      Nova Scotia      Nunavut
##      0          0
##      Ontario      Prince Edward Island
##      0          0
##      Quebec      Saskatchewan
##      0          0
##      Yukon Territory      Not in the U.S. or Canada
##      0          0
##      Skipped      Not Asked
##      0          0
```

```
#region
table(x$region)
```

```
## < table of extent 0 >
```

```
#party ID
table(x$CC16_360)
```

```
##
## No Party, Independent, Decline to state
##          15980
##      Democratic Party
##          24084
##      Republican Party
##          15908
##      Other
##          1021
##      Skipped
##          0
##      Not Asked
##          0
```

```
#employment status
table(x$employ)
```

```
##
##      Full-time      Part-time Temporarily laid off
##      27908          6956          435
##      Unemployed      Retired Permanently disabled
##      3583            12860          3854
##      Homemaker        Student          Other
##      4852            2961            1191
##      Skipped          Not Asked
##      0                0
```

```
#employment sectors
table(x$industryclass)
```

```
##
##      Agriculture
##      572
##      Forestry
##      118
##      Fishing and Hunting
##      108
##      Mining
##      135
##      Utilities
##      748
##      Construction
##      2410
##      Manufacturing
##      4159
##      Wholesale Trade
##      712
##      Retail Trade
##      5090
##      Transportation and Warehousing
##      2303
##      Information
##      1745
##      Finance and Insurance
##      2774
##      Real Estate and Rental and Leasing
##      922
## Professional, Scientific, and Technical Services
##      4428
##      Management of Companies and Enterprises
##      739
##      Administrative and Support
##      3425
##      Waste Management and Remediation Services
##      143
##      Education Services
##      5325
##      Health Care and Social Assistance
##      5530
##      Arts, Entertainment, and Recreation
##      1644
##      Hotel Accommodation and Food Services
```

```
##                                2342
##  Other Services (except Public Administration)
##                                8741
##                                Public Administration
##                                1916
##                                Skipped
##                                0
##                                Not Asked
##                                0
```

*#homeowner*

```
table(x$ownhome)
```

```
##
##      Own      Rent      Other      Skipped Not Asked
##  40682    20859    2981         0         0
```

*#party id*

```
table(x$pid3)
```

```
##
##  Democrat Republican Independent      Other      Not sure      Skipped
##    24881    15300    18238    2379    3782         0
##  Not Asked
##         0
```

```
table(x$pid7)
```

```
##
##      Strong Democrat      Not very strong Democrat
##      16251                                8618
##      Lean Democrat                                Independent
##      6270                                10493
##      Lean Republican Not very strong Republican
##      5554                                6814
##      Strong Republican                                Not sure
##      8479                                2067
##      Skipped                                Not Asked
##      0                                0
```

*#immigration status*

```
table(x$immstat)
```

```
##
##  Immigrant Citizen Immigrant non-citizen      First generation
##      4233                                1368         6136
##  Second generation      Third generation      Skipped
##      12582                                40123         0
##      Not Asked
##      0
```

*#religion category*

```
table(x$religpew)
```

```
##
##      Protestant      Roman Catholic
##      22888                                13880
##      Mormon Eastern or Greek Orthodox
```



```
##           870           362
##           Jewish       Muslim
##           1546         436
##           Buddhist     Hindu
##           621          299
##           Atheist      Agnostic
##           4025         3993
##           Nothing in particular    Something else
##           11986        3621
##           Skipped      Not Asked
##           0           0
```

```
#religious
table(x$pew_religimp)
```

```
##
##           Very important    Somewhat important    Not too important
##           23864            17275                9998
## Not at all important      Skipped                Not Asked
##           13429            0                    0
```

```
#family income
table(x$faminc)
```

```
##
## Less than $10,000    $10,000 - $19,999    $20,000 - $29,999
##           2835            4542                6459
## $30,000 - $39,999    $40,000 - $49,999    $50,000 - $59,999
##           6609            5760                5764
## $60,000 - $69,999    $70,000 - $79,999    $80,000 - $99,999
##           4490            4688                5661
## $100,000 - $119,999    $120,000 - $149,999    $150,000 - $199,999
##           4056            3572                1859
## $200,000 - $249,999    $250,000 - $349,999    $350,000 - $499,999
##           825             439                181
## $500,000 or more      $150,000 or more      Prefer not to say
##           177            162                6500
##           Skipped      Not Asked
##           0            0
```

## Attitudes variables

```
#in the last year, the national economy has gotten
table(x$CC16_302)
```

```
##
##           Gotten much better      Gotten better Stayed about the same
##           3286            16472                21840
##           Gotten worse      Gotten much worse      Not sure
##           14889            5978                2018
##           Skipped      Not Asked
##           0            0
```

```
#in the last year, the household income has gotten
table(x$CC16_303)
```

```
##
##      Increased a lot      Increased somewhat Stayed about the same
##              4470              19622              24424
##      Decreased somewhat      Decreased a lot      Skipped
##              10655              5357              0
##              Not Asked
##              0
```

```
#In the next few years, the national economy will
table(x$CC16_304)
```

```
##
##      Get much better Get somewhat better Stay about the same
##              3138              15037              19221
##      Get somewhat worse      Get much worse      Not sure
##              11751              5216              10104
##              Skipped      Not Asked
##              0              0
```

```
#Do the police make you feel
table(x$CC16_307)
```

```
##
##      Mostly safe      Somewhat safe Somewhat unsafe      Mostly unsafe
##              30349              24549              6917              2687
##              Skipped      Not Asked
##              0              0
```

```
#knowledge check: which party has the majority seat (House: Republican)
table(x$CC16_321a)
```

```
##
##      Republicans      Democrats      Neither      Not sure      Skipped      Not Asked
##              40028              7282              1112              16140              0              0
```

```
#knowledge check: which party has the majority seat (Senate: Republican)
table(x$CC16_321b)
```

```
##
##      Republicans      Democrats      Neither      Not sure      Skipped      Not Asked
##              36801              9931              1407              16403              0              0
```

```
#Approval rates: do you approve the way each is doing their job:
table(x$CC16_320a) #President Obama
```

```
##
##      Strongly approve      Somewhat approve Somewhat disapprove
##              19001              14800              6579
##      Strongly disapprove      Not sure      Skipped
##              21258              2940              0
##              Not Asked
##              0
```

```
table(x$CC16_320b) #US congress
```

```
##
##      Strongly approve      Somewhat approve Somewhat disapprove
##              2354              11353              17507
##      Strongly disapprove      Not sure      Skipped
```

```
##          24521          8832          0
##      Not Asked
##          0
```

```
table(x$CC16_320c) #US supreme court
```

```
##
##      Strongly approve      Somewhat approve Somewhat disapprove
##          4880          22889          16623
## Strongly disapprove      Not sure          Skipped
##          10133          10044          0
##      Not Asked
##          0
```

## Voting Records

```
# vote in 2012 election
```

```
table(x$CC16_316)
```

```
##
##          No
##      12382
## I usually vote but did not vote in 2012
##      2298
##          I am not sure
##      1235
##      Yes, I definitely voted.
##      48620
##          Skipped
##          0
##      Not Asked
##          0
```

```
# who in 2012
```

```
table(x$CC16_326)
```

```
##
## Barack Obama  Mitt Romney Someone else Did not vote Don't recall
##      28031      18157      1539      78      734
##      Skipped      Not Asked
##          0          0
```

```
# vote in Presidential primary
```

```
table(x$CC16_328)
```

```
##
##          Hillary Clinton
##          12661
##          Bernie Sanders
##          9012
##      Another Democrat
##          240
##          Donald Trump
##          8026
##          Ted Cruz
```

```
##                                3759
##                                John Kasich
##                                1739
##                                Marco Rubio
##                                1539
##                                Another Republican
##                                961
## Someone else who is not a Democrat or Republican
##                                604
##                                Skipped
##                                0
##                                Not Asked
##                                0
```

## Issues

```
#immigration:
table(x$CC16_331_1) #grant legal status to all illegal immigrants who lived more than 3yrs
```

```
##
##      Yes      No      Skipped Not Asked
##  36182    28418         0         0
```

```
table(x$CC16_331_2) #increase number of border patrols
```

```
##
##      Yes      No      Skipped Not Asked
##  31858    32742         0         0
```

```
table(x$CC16_331_3) #grant legal status to those came in as children
```

```
##
##      Yes      No      Skipped Not Asked
##  30286    34314         0         0
```

```
table(x$CC16_331_7) #identify and deport illegal immigrants
```

```
##
##      Yes      No      Skipped Not Asked
##  26249    38351         0         0
```

```
#abortion
table(x$CC16_332a) #abortion as a matter of choice
```

```
##
##  Support   Oppose   Skipped Not Asked
##   39808    24730         0         0
```

```
table(x$CC16_332b) #abortion permitted only in case of rape, incest or life in danger
```

```
##
##  Support   Oppose   Skipped Not Asked
##   29616    34892         0         0
```

```
table(x$CC16_332c) #prohibit abortion after the 20th week
```

```
##
```

```
##      Support      Oppose      Skipped Not Asked
##      39057      25461           0         0
```

```
table(x$CC16_332f) #abortion illegal
```

```
##
##      Support      Oppose      Skipped Not Asked
##      10144      54369           0         0
```

```
table(x$CC16_332e) #prohibit expenditure of abortion
```

```
##
##      Support      Oppose      Skipped Not Asked
##      29217      35321           0         0
```

```
#crime
```

```
table(x$CC16_334c) #increase number of police on street by 10 percent
```

```
##
##      Support      Oppose      Skipped Not Asked
##      35317      29232           0         0
```

```
table(x$CC16_334d) #increase prison sentences for felons
```

```
##
##      Support      Oppose      Skipped Not Asked
##      54198      10360           0         0
```

```
#gay
```

```
table(x$CC16_335) #gay marriage legal
```

```
##
##      Favor      Oppose      Skipped Not Asked
##      41718      22407           0         0
```

```
#budget cut priority
```

```
table(x$CC16_337_1) #defense
```

```
##
##      Ranked first Ranked second  Ranked third      Skipped      Not Asked
##      25054         24355         13760           0           0
```

```
table(x$CC16_337_2) #domestic
```

```
##
##      Ranked first Ranked second  Ranked third      Skipped      Not Asked
##      23740         16912         22715           0           0
```

```
table(x$CC16_337_3) #raise tax
```

```
##
##      Ranked first Ranked second  Ranked third      Skipped      Not Asked
##      14818         21920         26385           0           0
```