Statistics/Data analysis

```
      name:  <unnamed>
       log:  C:\Dropbox\Alecia\Stability of Political Attitudes\Replication Prep\GSS\d
> ata\recode\log_recode.smcl
  log type:  smcl
 opened on:  10 Dec 2025, 19:20:36

1 .
2 . /*Code for 2006 Panel*/
3 . use "original_dataset/GSS_panel06w123_R6a.dta"

4 .
5 . keep dateintv_*   natarms_* natenvir_* natfare_* natcrimy_* natrace_* natsci_* party
  > id_* polviews_* letin1a_* race_* income_* sex_*  age_* degree_*

6 .
7 . generate panel_id =  "100"+ string(_n)

8 . destring panel_id, replace
  panel_id: all characters numeric; replaced as long

9 .
10. generate panel = 1

11.
12. rename *_1 *_2006

13. rename *_2 *_2008

14. rename *_3 *_2010

15.
16.
17.
18.
19. reshape long age_ dateintv_ degree_ natarms_ natcrimy_ natenvir_ natfare_ natrace_ n
  > atsci_ partyid_ polviews_ race_ income_ sex_ letin1a_ , i(panel_id) j(year)
  (j = 2006 2008 2010)

  Data                                  Wide   ->   Long
  -----------------------------------------------------------------------------
  Number of observations               2,000   ->   6,000
  Number of variables                     47   ->   18
  j variable (3 values)                        ->   year
  xij variables:
              age_2006 age_2008 age_2010       ->   age_
  dateintv_2006 dateintv_2008 dateintv_2010    ->   dateintv_
      degree_2006 degree_2008 degree_2010      ->   degree_
   natarms_2006 natarms_2008 natarms_2010      ->   natarms_
  natcrimy_2006 natcrimy_2008 natcrimy_2010    ->   natcrimy_
  natenvir_2006 natenvir_2008 natenvir_2010    ->   natenvir_
   natfare_2006 natfare_2008 natfare_2010      ->   natfare_
   natrace_2006 natrace_2008 natrace_2010      ->   natrace_
      natsci_2006 natsci_2008 natsci_2010      ->   natsci_
   partyid_2006 partyid_2008 partyid_2010      ->   partyid_
  polviews_2006 polviews_2008 polviews_2010    ->   polviews_
            race_2006 race_2008 race_2010      ->   race_
      income_2006 income_2008 income_2010      ->   income_
              sex_2006 sex_2008 sex_2010       ->   sex_
   letin1a_2006 letin1a_2008 letin1a_2010      ->   letin1a_
  -----------------------------------------------------------------------------
```

```
20. rename *_ *

21.
22. save "subset_panel/GSS_2006Panel.dta", replace
  (file subset_panel/GSS_2006Panel.dta not found)
  file subset_panel/GSS_2006Panel.dta saved

23.
24. clear

25.
26. /*Code for 2008 Panel*/
27.
28. use "original_dataset/GSS_panel08w123_R6.dta"
  ( )

29.
30.
31. keep dateintv_*   natarms_* natenvir_* natfare_* natcrimy_* natrace_* natsci_* party
  > id_* polviews_* letin1a_* race_* income_* sex_*  age_* degree_*

32.
33. generate panel_id =  "200"+ string(_n)

34. destring panel_id, replace
  panel_id: all characters numeric; replaced as long

35.
36. generate panel = 2

37.
38. rename *_1 *_2008

39. rename *_2 *_2010

40. rename *_3 *_2012

41.
42.
43. reshape long age_ dateintv_ degree_ natarms_ natcrimy_ natenvir_ natfare_ natrace_ n
  > atsci_ partyid_ polviews_ race_ income_ sex_ letin1a_ , i(panel_id) j(year)
  (j = 2008 2010 2012)

  Data                                Wide   ->   Long
  -----------------------------------------------------------------------------
  Number of observations            2,023   ->   6,069
  Number of variables                  47   ->   18
  j variable (3 values)                     ->   year
  xij variables:
              age_2008 age_2010 age_2012    ->   age_
  dateintv_2008 dateintv_2010 dateintv_2012 ->   dateintv_
      degree_2008 degree_2010 degree_2012   ->   degree_
   natarms_2008 natarms_2010 natarms_2012   ->   natarms_
  natcrimy_2008 natcrimy_2010 natcrimy_2012 ->   natcrimy_
  natenvir_2008 natenvir_2010 natenvir_2012 ->   natenvir_
   natfare_2008 natfare_2010 natfare_2012   ->   natfare_
   natrace_2008 natrace_2010 natrace_2012   ->   natrace_
      natsci_2008 natsci_2010 natsci_2012   ->   natsci_
   partyid_2008 partyid_2010 partyid_2012   ->   partyid_
  polviews_2008 polviews_2010 polviews_2012 ->   polviews_
            race_2008 race_2010 race_2012   ->   race_
      income_2008 income_2010 income_2012   ->   income_
              sex_2008 sex_2010 sex_2012    ->   sex_
   letin1a_2008 letin1a_2010 letin1a_2012   ->   letin1a_
  -----------------------------------------------------------------------------
```

```
44. rename *_ *

45.
46. save "subset_panel/GSS_2008Panel.dta", replace
  (file subset_panel/GSS_2008Panel.dta not found)
  file subset_panel/GSS_2008Panel.dta saved

47.
48. clear

49.
50.
51. /*Code for 2010 Panel*/
52.
53. use "original_dataset/GSS_panel2010w123_R6.dta"
  ( )

54.
55.
56. keep dateintv_*   natarms_* natenvir_* natfare_* natcrimy_* natrace_* natsci_* party
  > id_* polviews_* letin1a_* race_* income_* sex_*  age_* degree_*

57.
58. generate panel_id =  "300"+ string(_n)

59. destring panel_id, replace
  panel_id: all characters numeric; replaced as long

60.
61. generate panel = 3

62.
63. rename *_1 *_2010

64. rename *_2 *_2012

65. rename *_3 *_2014

66.
67.
68. reshape long age_ dateintv_ degree_  natarms_ natcrimy_ natenvir_ natfare_ natrace_
  > natsci_ partyid_ polviews_ race_ income_ sex_ letin1a_ , i(panel_id) j(year)
  (j = 2010 2012 2014)

  Data                                Wide   ->   Long
  -----------------------------------------------------------------------------
  Number of observations            2,044    ->   6,132
  Number of variables                  47    ->   18
  j variable (3 values)                      ->   year
  xij variables:
              age_2010 age_2012 age_2014     ->   age_
  dateintv_2010 dateintv_2012 dateintv_2014  ->   dateintv_
      degree_2010 degree_2012 degree_2014    ->   degree_
   natarms_2010 natarms_2012 natarms_2014    ->   natarms_
  natcrimy_2010 natcrimy_2012 natcrimy_2014  ->   natcrimy_
  natenvir_2010 natenvir_2012 natenvir_2014  ->   natenvir_
   natfare_2010 natfare_2012 natfare_2014    ->   natfare_
   natrace_2010 natrace_2012 natrace_2014    ->   natrace_
      natsci_2010 natsci_2012 natsci_2014    ->   natsci_
   partyid_2010 partyid_2012 partyid_2014    ->   partyid_
  polviews_2010 polviews_2012 polviews_2014  ->   polviews_
            race_2010 race_2012 race_2014    ->   race_
      income_2010 income_2012 income_2014    ->   income_
              sex_2010 sex_2012 sex_2014     ->   sex_
   letin1a_2010 letin1a_2012 letin1a_2014    ->   letin1a_
  -----------------------------------------------------------------------------
```

```
69. rename *_ *

70.
71.
72. save "subset_panel/GSS_2010Panel.dta", replace
  (file subset_panel/GSS_2010Panel.dta not found)
  file subset_panel/GSS_2010Panel.dta saved

73.
74. clear

75.
76.
77. /*Code for 2016-2020 Panel*/
78.
79. use "original_dataset/gss2020panel_r1a.dta"

80.
81.
82. keep dateintv_*   natarms_* natenvir_* natfare_* natcrimy_* natrace_* natsci_* party
  > id_* polviews_* letin1a_* race_* income_* sex_*  age_* degree_*

83.
84. generate panel_id =  "400"+ string(_n)

85. destring panel_id, replace
  panel_id: all characters numeric; replaced as long

86.
87. generate panel = 4

88.
89. rename *_1a *_2016

90. rename *_1b *_2018

91. rename *_2 *_2020

92.
93. reshape long age_ dateintv_ degree_ natarms_ natcrimy_ natenvir_ natfare_ natrace_ n
  > atsci_ partyid_ polviews_ race_ income_ sex_ letin1a_ , i(panel_id) j(year)
  (j = 2016 2018 2020)

  Data                                  Wide   ->   Long
  -----------------------------------------------------------------------------
  Number of observations              5,215   ->   15,645
  Number of variables                    47   ->   18
  j variable (3 values)                       ->   year
  xij variables:
              age_2016 age_2018 age_2020      ->   age_
  dateintv_2016 dateintv_2018 dateintv_2020   ->   dateintv_
      degree_2016 degree_2018 degree_2020     ->   degree_
   natarms_2016 natarms_2018 natarms_2020     ->   natarms_
  natcrimy_2016 natcrimy_2018 natcrimy_2020   ->   natcrimy_
  natenvir_2016 natenvir_2018 natenvir_2020   ->   natenvir_
   natfare_2016 natfare_2018 natfare_2020     ->   natfare_
   natrace_2016 natrace_2018 natrace_2020     ->   natrace_
      natsci_2016 natsci_2018 natsci_2020     ->   natsci_
   partyid_2016 partyid_2018 partyid_2020     ->   partyid_
  polviews_2016 polviews_2018 polviews_2020   ->   polviews_
            race_2016 race_2018 race_2020     ->   race_
      income_2016 income_2018 income_2020     ->   income_
              sex_2016 sex_2018 sex_2020      ->   sex_
   letin1a_2016 letin1a_2018 letin1a_2020     ->   letin1a_
  -----------------------------------------------------------------------------
```

```
94. rename *_ *

95.
96. save "subset_panel/GSS_2016_2020Panel.dta", replace
  (file subset_panel/GSS_2016_2020Panel.dta not found)
  file subset_panel/GSS_2016_2020Panel.dta saved

97.
98. clear

99.
100 /*Appending datasets and removing observations with all retained variables missing*/
101
102 append using "subset_panel/GSS_2006Panel.dta" "subset_panel/GSS_2008Panel.dta" "subs
  > et_panel/GSS_2010Panel.dta" "subset_panel/GSS_2016_2020Panel.dta"
  (label SEX_3 already defined)
  (label DEGREE_3 already defined)
  (label AGE_3 already defined)
  (label LABB already defined)
  (label SEX_3 already defined)
  (label RACE_3 already defined)
  (label NATSCI_3 already defined)
  (label INCOME_3 already defined)
  (label DEGREE_3 already defined)
  (label AGE_3 already defined)

103
104
105 drop if inlist(age, .i, .y, .d, .n, .s, .a)  & inlist(dateintv, .i, .y, .d, .n, .s,
  > .a) & inlist(degree, .i, .y, .d, .n, .s, .a) & inlist(natarms, .i, .y, .d, .n, .s, .
  > a)  & inlist(natcrimy, .i, .y, .d, .n, .s, .a) & inlist(natenvir, .i, .y, .d, .n, .s
  > , .a) & inlist(natfare, .i, .y, .d, .n, .s, .a) & inlist(natrace, .i, .y, .d, .n, .s
  > , .a) & inlist(natsci, .i, .y, .d, .n, .s, .a)  & inlist(partyid, .i, .y, .d, .n, .s
  > , .a)  & inlist(polviews, .i, .y, .d, .n, .s, .a) & inlist(race, .i, .y, .d, .n, .s,
  >  .a) & inlist(income, .i, .y, .d, .n, .s, .a) & inlist(sex, .i, .y, .d, .n, .s, .a)
  >   & inlist(letin1a, .i, .y, .d, .n, .s, .a)
  (12,198 observations deleted)

106
107
108 save "GSS_2006_2020AppendedPanels.dta", replace
  (file GSS_2006_2020AppendedPanels.dta not found)
  file GSS_2006_2020AppendedPanels.dta saved

109
110 clear

111
112
113 /****** Section 2: Recoded stacked panels dataset as outlined in the provided codebo
  > ok******/
114
115 use "GSS_2006_2020AppendedPanels.dta"

116
117 codebook *

-------------------------------------------------------------------------------
panel_id                                                        (unlabeled)
-------------------------------------------------------------------------------

                  Type: Numeric (long)

                 Range: [1001,4005215]                Units: 1
         Unique values: 11,282                    Missing .: 0/21,648

                  Mean: 1.8e+06
             Std. dev.: 1.6e+06

            Percentiles:     10%       25%       50%       75%       90%
                          100668    300222   1.0e+06   4.0e+06   4.0e+06
```

year **(unlabeled)**

Type: Numeric (**int**)

Range: [**2006,2020**] Units: **1**
Unique values: **8** Missing .: **0**/**21,648**

Tabulation: Freq. Value
2,000 2006
3,559 2008
4,901 2010
2,846 2012
1,304 2014
2,867 2016
2,348 2018
1,823 2020

age **(unlabeled)**

Type: Numeric (**byte**)
Label: **AGE_3**, but **71** nonmissing values are not labeled

Range: [**18,89**] Units: **1**
Unique values: **72** Missing .: **0**/**21,648**
Unique mv codes: **1** Missing .*: **162**/**21,648**

Examples: **32**
44
54
66

dateintv **(unlabeled)**

Type: Numeric (**int**)
Label: **LABAP**, but **258** nonmissing values are not labeled

Range: [**307,1119**] Units: **1**
Unique values: **258** Missing .: **0**/**21,648**
Unique mv codes: **1** Missing .*: **1**/**21,648**

Examples: **416**
507
606
722

degree **(unlabeled)**

Type: Numeric (**byte**)
Label: **DEGREE_3**

Range: [**0,4**] Units: **1**
Unique values: **5** Missing .: **0**/**21,648**
Unique mv codes: **3** Missing .*: **19**/**21,648**

Tabulation: Freq. Numeric Label
2,584 0 lt high school
10,720 1 high school
1,721 2 junior college
4,190 3 bachelor
2,414 4 graduate
2 .a
1 .d
16 .n

income **(unlabeled)**

```
             Type: Numeric (byte)
            Label: LABER

            Range: [1,13]                        Units: 1
      Unique values: 13                       Missing .: 0/21,648
  Unique mv codes: 4                          Missing .*: 2,445/21,648

         Examples: 11    $20000 - 24999
                   12    $25000 or more
                   12    $25000 or more
                   12    $25000 or more
```

natarms **(unlabeled)**

```
             Type: Numeric (byte)
            Label: LABHA

            Range: [1,3]                         Units: 1
      Unique values: 3                        Missing .: 0/21,648
  Unique mv codes: 4                          Missing .*: 11,177/21,648

      Tabulation: Freq.   Numeric  Label
                  3,002         1  too little
                  3,899         2  about right
                  3,570         3  too much
                    268        .d  DK
                 10,895        .i  IAP
                     10        .n  NA
                      4        .s
```

natcrimy **(unlabeled)**

```
             Type: Numeric (byte)
            Label: LABHA

            Range: [1,3]                         Units: 1
      Unique values: 3                        Missing .: 0/21,648
  Unique mv codes: 4                          Missing .*: 10,963/21,648

      Tabulation: Freq.   Numeric  Label
                  5,566         1  too little
                  3,909         2  about right
                  1,210         3  too much
                    191        .d  DK
                 10,754        .i  IAP
                     12        .n  NA
                      6        .s
```

natenvir **(unlabeled)**

```
             Type: Numeric (byte)
            Label: LABHA

            Range: [1,3]                         Units: 1
      Unique values: 3                        Missing .: 0/21,648
  Unique mv codes: 4                          Missing .*: 11,137/21,648
```

Tabulation:	Freq.	Numeric	Label
	6,662	**1**	too little
	2,959	**2**	about right
	890	**3**	too much
	235	**.d**	DK
	10,895	**.i**	IAP
	5	**.n**	NA
	2	**.s**	

---

natfare **(unlabeled)**

Type: Numeric (**byte**)
Label: **LABHA**

Range: [**1,3**] Units: **1**
Unique values: **3** Missing .: **0**/**21,648**
Unique mv codes: **4** Missing .*: **11,248**/**21,648**

Tabulation:	Freq.	Numeric	Label
	2,465	**1**	too little
	3,752	**2**	about right
	4,183	**3**	too much
	333	**.d**	DK
	10,895	**.i**	IAP
	16	**.n**	NA
	4	**.s**	

---

natrace **(unlabeled)**

Type: Numeric (**byte**)
Label: **LABHA**

Range: [**1,3**] Units: **1**
Unique values: **3** Missing .: **0**/**21,648**
Unique mv codes: **4** Missing .*: **11,887**/**21,648**

Tabulation:	Freq.	Numeric	Label
	4,072	**1**	too little
	4,365	**2**	about right
	1,324	**3**	too much
	882	**.d**	DK
	10,895	**.i**	IAP
	101	**.n**	NA
	9	**.s**	

---

natsci **(unlabeled)**

Type: Numeric (**byte**)
Label: **LABHA**

Range: [**1,3**] Units: **1**
Unique values: **3** Missing .: **0**/**21,648**
Unique mv codes: **3** Missing .*: **1,229**/**21,648**

Tabulation:	Freq.	Numeric	Label
	8,461	**1**	too little
	9,647	**2**	about right
	2,311	**3**	too much
	1,205	**.d**	DK
	15	**.n**	NA
	9	**.s**	

---

partyid **(unlabeled)**

Type: Numeric (**byte**)
Label: **V2725_A**

Range: [**0,7**] Units: **1**
Unique values: **8** Missing .: **0**/**21,648**
Unique mv codes: **2** Missing .*: **170**/**21,648**

Tabulation: Freq.	Numeric	Label
3,777	**0**	strong democrat
3,588	**1**	not str democrat
2,770	**2**	ind,near dem
3,658	**3**	independent
2,068	**4**	ind,near rep
2,816	**5**	not str republican
2,303	**6**	strong republican
498	**7**	other party
3	**.d**	DK
167	**.n**	NA

---

polviews **(unlabeled)**

Type: Numeric (**byte**)
Label: **LABIU**

Range: [**1,7**] Units: **1**
Unique values: **7** Missing .: **0**/**21,648**
Unique mv codes: **4** Missing .*: **712**/**21,648**

Tabulation: Freq.	Numeric	Label
866	**1**	extremely liberal
2,672	**2**	liberal
2,482	**3**	slightly liberal
7,776	**4**	moderate
2,934	**5**	slghtly conservative
3,336	**6**	conservative
870	**7**	extrmly conservative
567	**.d**	DK
4	**.i**	IAP
129	**.n**	NA
12	**.s**	

---

race **(unlabeled)**

Type: Numeric (**byte**)
Label: **LABJG**

Range: [**1,3**] Units: **1**
Unique values: **3** Missing .: **0**/**21,648**
Unique mv codes: **1** Missing .*: **1,823**/**21,648**

Tabulation: Freq.	Numeric	Label
15,043	**1**	white
2,989	**2**	black
1,793	**3**	other
1,823	**.y**	

---

sex **(unlabeled)**

Type: Numeric (**byte**)
Label: **SEX_3**

Range: [**1,2**] Units: **1**
Unique values: **2** Missing .: **0**/**21,648**
Unique mv codes: **1** Missing .*: **10**/**21,648**

```
            Tabulation: Freq.   Numeric  Label
                        9,481         1  male
                       12,157         2  female
                           10        .n
```

---

letin1a **(unlabeled)**

```
                  Type: Numeric (byte)
                 Label: LABMU

                 Range: [1,5]                         Units: 1
         Unique values: 5                         Missing .: 0/21,648
     Unique mv codes: 4                           Missing .*: 8,872/21,648

            Tabulation: Freq.   Numeric  Label
                          639         1  increased a lot
                        1,358         2  increased a little
                        4,907         3  remain the same as it is
                        2,965         4  reduced a little
                        2,907         5  reduced a lot
                          247        .d  Don't know
                        8,564        .i  IAP
                           49        .n  No Answer
                           12        .s
```

---

panel **(unlabeled)**

```
                  Type: Numeric (float)

                 Range: [1,4]                         Units: 1
         Unique values: 4                         Missing .: 0/21,648

            Tabulation: Freq.  Value
                        4,812  1
                        4,899  2
                        4,899  3
                        7,038  4
```

```
118
119 /*Format interview date*/
120 generate dayintv = mod(dateintv, 100)
  (1 missing value generated)

121
122 generate monthintv = floor(dateintv /100)
  (1 missing value generated)

123
124 rename year yearintv

125
126 generate stata_intvdate = mdy(monthintv, dayintv, yearintv )
  (1 missing value generated)

127
128 label variable stata_intvdate "interview date in days since Jan. 1. 1960"
```

```
129
130 generate combined_id = _n

131
132
133 /*Reverse coding DVs*/
134
135
136 codebook natarms
```

---

natarms **(unlabeled)**

```
                 Type: Numeric (byte)
                Label: LABHA

                Range: [1,3]                         Units: 1
        Unique values: 3                          Missing .: 0/21,648
    Unique mv codes: 4                            Missing .*: 11,177/21,648

         Tabulation: Freq.   Numeric  Label
                     3,002         1  too little
                     3,899         2  about right
                     3,570         3  too much
                       268        .d  DK
                    10,895        .i  IAP
                        10        .n  NA
                         4        .s

137
138 generate rec_natarms = natarms
  (11,177 missing values generated)

139 replace rec_natarms = 1 if natarms == 3
  (3,570 real changes made)

140 replace rec_natarms = 2 if natarms == 2
  (0 real changes made)

141 replace rec_natarms = 3 if natarms == 1
  (3,002 real changes made)

142
143 tab rec_natarms natarms, missing
```

rec_natarms	natarms						
	too littl	about rig	too much	DK	IAP	NA	Total
1	0	0	3,570	0	0	0	3,570
2	0	3,899	0	0	0	0	3,899
3	3,002	0	0	0	0	0	3,002
.d	0	0	0	268	0	0	268
.i	0	0	0	0	10,895	0	10,895
.n	0	0	0	0	0	10	10
.s	0	0	0	0	0	0	0
Total	3,002	3,899	3,570	268	10,895	10	21,648

```
codebook natcrimy
```

natcrimy **(unlabeled)**

```
                 Type: Numeric (byte)
                Label: LABHA

                Range: [1,3]                         Units: 1
        Unique values: 3                         Missing .: 0/21,648
      Unique mv codes: 4                         Missing .*: 10,963/21,648

           Tabulation: Freq.   Numeric  Label
                       5,566         1  too little
                       3,909         2  about right
                       1,210         3  too much
                         191        .d  DK
                      10,754        .i  IAP
                          12        .n  NA
                           6        .s
```

```
generate rec_natcrimy = natcrimy
(10,963 missing values generated)

replace rec_natcrimy = 1 if natcrimy == 3
(1,210 real changes made)

replace rec_natcrimy = 2 if natcrimy == 2
(0 real changes made)

replace rec_natcrimy = 3 if natcrimy == 1
(5,566 real changes made)

tab rec_natcrimy natcrimy, missing
```

rec_natcrimy	natcrimy: too littl	about rig	too much	DK	IAP	NA	> .s	Total
1	0	0	1,210	0	0	0	> 0	1,210
2	0	3,909	0	0	0	0	> 0	3,909
3	5,566	0	0	0	0	0	> 0	5,566
.d	0	0	0	191	0	0	> 0	191
.i	0	0	0	0	10,754	0	> 0	10,754
.n	0	0	0	0	0	12	> 0	12
.s	0	0	0	0	0	0	> 6	6
Total	5,566	3,909	1,210	191	10,754	12	> 6	21,648

```
157
158
159
160 codebook natenvir
```

---

natenvir **(unlabeled)**

```
                 Type: Numeric (byte)
                Label: LABHA

                Range: [1,3]                         Units: 1
        Unique values: 3                          Missing .: 0/21,648
    Unique mv codes: 4                            Missing .*: 11,137/21,648

        Tabulation: Freq.   Numeric  Label
                    6,662         1  too little
                    2,959         2  about right
                      890         3  too much
                      235        .d  DK
                   10,895        .i  IAP
                        5        .n  NA
                        2        .s

161
162 generate rec_natenvir = natenvir
  (11,137 missing values generated)

163 replace rec_natenvir = 1 if natenvir == 3
  (890 real changes made)

164 replace rec_natenvir = 2 if natenvir == 2
  (0 real changes made)

165 replace rec_natenvir = 3 if natenvir == 1
  (6,662 real changes made)

166
167 tab rec_natenvir natenvir, missing
```

rec_natenvir	natenvir						
	too littl	about rig	too much	DK	IAP	NA	Total
1	0	0	890	0	0	0	890
2	0	2,959	0	0	0	0	2,959
3	6,662	0	0	0	0	0	6,662
.d	0	0	0	235	0	0	235
.i	0	0	0	0	10,895	0	10,895
.n	0	0	0	0	0	5	5
.s	0	0	0	0	0	0	0
Total	6,662	2,959	890	235	10,895	5	21,648

```
168
169
170 codebook natfare
```

---

natfare **(unlabeled)**

```
                 Type: Numeric (byte)
                Label: LABHA

                Range: [1,3]                         Units: 1
        Unique values: 3                          Missing .: 0/21,648
    Unique mv codes: 4                            Missing .*: 11,248/21,648

        Tabulation: Freq.   Numeric  Label
                    2,465         1  too little
                    3,752         2  about right
                    4,183         3  too much
                      333        .d  DK
                   10,895        .i  IAP
                       16        .n  NA
                        4        .s
```

```
171
172 generate rec_natfare = natfare
  (11,248 missing values generated)

173 replace rec_natfare = 1 if natfare == 3
  (4,183 real changes made)

174 replace rec_natfare = 2 if natfare == 2
  (0 real changes made)

175 replace rec_natfare = 3 if natfare == 1
  (2,465 real changes made)

176
177 tab rec_natfare natfare, missing
```

rec_natfare	natfare						
	too littl	about rig	too much	DK	IAP	NA	Total
1	0	0	4,183	0	0	0	4,183
2	0	3,752	0	0	0	0	3,752
3	2,465	0	0	0	0	0	2,465
.d	0	0	0	333	0	0	333
.i	0	0	0	0	10,895	0	10,895
.n	0	0	0	0	0	16	16
.s	0	0	0	0	0	0	4
Total	2,465	3,752	4,183	333	10,895	16	21,648

```
178
179
180 codebook natrace
```

---

natrace **(unlabeled)**

```
                 Type: Numeric (byte)
                Label: LABHA

                Range: [1,3]                         Units: 1
        Unique values: 3                          Missing .: 0/21,648
    Unique mv codes: 4                         Missing .*: 11,887/21,648

        Tabulation: Freq.   Numeric  Label
                    4,072         1  too little
                    4,365         2  about right
                    1,324         3  too much
                      882        .d  DK
                   10,895        .i  IAP
                      101        .n  NA
                        9        .s
```

```
181
182 generate rec_natrace = natrace
  (11,887 missing values generated)

183 replace rec_natrace = 1 if natrace == 3
  (1,324 real changes made)

184 replace rec_natrace = 2 if natrace == 2
  (0 real changes made)

185 replace rec_natrace = 3 if natrace == 1
  (4,072 real changes made)

186
187 tab rec_natrace natrace, missing
```

rec_natrace	natrace						
	too littl	about rig	too much	DK	IAP	NA	Total
1	0	0	1,324	0	0	0	1,324
2	0	4,365	0	0	0	0	4,365
3	4,072	0	0	0	0	0	4,072
.d	0	0	0	882	0	0	882
.i	0	0	0	0	10,895	0	10,895
.n	0	0	0	0	0	101	101
.s	0	0	0	0	0	0	0
Total	4,072	4,365	1,324	882	10,895	101	21,648

```
188
189
190 codebook natsci
```

---

natsci **(unlabeled)**

```
                 Type: Numeric (byte)
                Label: LABHA

                Range: [1,3]                         Units: 1
        Unique values: 3                          Missing .: 0/21,648
    Unique mv codes: 3                         Missing .*: 1,229/21,648

        Tabulation: Freq.   Numeric  Label
                    8,461         1  too little
                    9,647         2  about right
                    2,311         3  too much
                    1,205        .d  DK
                       15        .n  NA
                        9        .s
```

```
191
192 generate rec_natsci = natsci
  (1,229 missing values generated)

193 replace rec_natsci = 1 if natsci == 3
  (2,311 real changes made)

194 replace rec_natsci = 2 if natsci == 2
  (0 real changes made)

195 replace rec_natsci = 3 if natsci == 1
  (8,461 real changes made)

196
197 tab rec_natsci natsci, missing
```

rec_natsci	natsci: too littl	about rig	too much	DK	NA	.s	To > tal
1	0	0	2,311	0	0	0	2, > 311
2	0	9,647	0	0	0	0	9, > 647
3	8,461	0	0	0	0	0	8, > 461
.d	0	0	0	1,205	0	0	1, > 205
.n	0	0	0	0	15	0	> 15
.s	0	0	0	0	0	9	> 9
Total	8,461	9,647	2,311	1,205	15	9	21, > 648

```
198
199
200 codebook letin1a
```

---

letin1a **(unlabeled)**

```
                 Type: Numeric (byte)
                Label: LABMU

                Range: [1,5]                         Units: 1
        Unique values: 5                          Missing .: 0/21,648
    Unique mv codes: 4                            Missing .*: 8,872/21,648

        Tabulation: Freq.   Numeric  Label
                      639         1  increased a lot
                    1,358         2  increased a little
                    4,907         3  remain the same as it is
                    2,965         4  reduced a little
                    2,907         5  reduced a lot
                      247        .d  Don't know
                    8,564        .i  IAP
                       49        .n  No Answer
                       12        .s
```

```
201
202 generate rec_letin1a = letin1a
  (8,872 missing values generated)

203 replace rec_letin1a = 1 if letin1a == 5
  (2,907 real changes made)

204 replace rec_letin1a = 2 if letin1a == 4
  (2,965 real changes made)

205 replace rec_letin1a = 3 if letin1a == 3
  (0 real changes made)

206 replace rec_letin1a = 4 if letin1a == 2
  (1,358 real changes made)

207 replace rec_letin1a = 5 if letin1a == 1
  (639 real changes made)

208
209 tab rec_letin1a letin1a, missing
```

rec_letin1a	letin1a						
	increased a lot	increased a little	remain the same as it is	reduced a little	reduced a lot	Don't know	IAP
1	0	0	0	0	2,907	0	
> AP	0	0	2,907				
2	0	0	0	2,965	0	0	
> No Answer	0	0	2,965				
3	0	0	0	0	0	0	
> .s	0	0	4,907				
4	0	1,358	0	0	0	0	
> Total	0	0	1,358				
5	639	0	0	0	0	0	
>	0	0	639				
.d	0	0	0	0	0	247	
>	0	0	247				
.i	0	0	0	0	0	0	8,5
>	64	0	0	8,564			
.n	0	0	0	0	0	0	
>	0	49	0	49			
.s	0	0	0	0	0	0	
>	0	0	12	12			

```
   ____________________________|____________
      Total |        639      1,358      4,907      2,965      2,907        247      8,5
  > 64         49         12 |     21,648

210
211
212 /*Code partyid == other party as partyid = independent*/
213
214 clonevar rec_partyid = partyid
  (170 missing values generated)

215 replace rec_partyid = 3 if partyid == 7
  (498 real changes made)

216
217 codebook polviews
```

polviews **(unlabeled)**

```
                  Type: Numeric (byte)
                 Label: LABIU

                 Range: [1,7]                          Units: 1
         Unique values: 7                          Missing .: 0/21,648
       Unique mv codes: 4                         Missing .*: 712/21,648

            Tabulation: Freq.   Numeric  Label
                          866         1  extremely liberal
                        2,672         2  liberal
                        2,482         3  slightly liberal
                        7,776         4  moderate
                        2,934         5  slghtly conservative
                        3,336         6  conservative
                          870         7  extrmly conservative
                          567        .d  DK
                            4        .i  IAP
                          129        .n  NA
                           12        .s

218
219
220 /*Recode explanatory variables*/
221
222 //Code family income last fall before taxes
223
224 clonevar rec_income = income
  (2,445 missing values generated)

225 replace rec_income = 888 if income == .a
  variable rec_income was byte now int
  (1,475 real changes made)

226 replace rec_income = 1 if income < 10
  (2,629 real changes made)

227 replace rec_income = 2 if income == 10 | income == 11
  (2,334 real changes made)
```

```
228 replace rec_income = 3 if income == 12
  (13,769 real changes made)

229
230 tab income rec_income
```

income	rec_income: lt $1000	$1000 to	$3000 to	refused	Total
lt $1000	**281**	**0**	**0**	**0**	**281**
$1000 to 2999	**241**	**0**	**0**	**0**	**241**
$3000 to 3999	**153**	**0**	**0**	**0**	**153**
$4000 to 4999	**114**	**0**	**0**	**0**	**114**
$5000 to 5999	**145**	**0**	**0**	**0**	**145**
$6000 to 6999	**150**	**0**	**0**	**0**	**150**
$7000 to 7999	**204**	**0**	**0**	**0**	**204**
$8000 to 9999	**375**	**0**	**0**	**0**	**375**
$10000 - 14999	**1,247**	**0**	**0**	**0**	**1,247**
$15000 - 19999	**0**	**972**	**0**	**0**	**972**
$20000 - 24999	**0**	**1,362**	**0**	**0**	**1,362**
$25000 or more	**0**	**0**	**13,769**	**0**	**13,769**
refused	**0**	**0**	**0**	**190**	**190**
Total	**2,910**	**2,334**	**13,769**	**190**	**19,203**

```
231
232 codebook age
```

---

age **(unlabeled)**

```
                 Type: Numeric (byte)
                Label: AGE_3, but 71 nonmissing values are not labeled

                Range: [18,89]                       Units: 1
        Unique values: 72                         Missing .: 0/21,648
    Unique mv codes: 1                            Missing .*: 162/21,648

              Examples: 32
                        44
                        54
                        66
```

```
233 codebook degree
```

---

degree **(unlabeled)**

```
                 Type: Numeric (byte)
                Label: DEGREE_3

                Range: [0,4]                         Units: 1
        Unique values: 5                          Missing .: 0/21,648
    Unique mv codes: 3                            Missing .*: 19/21,648

           Tabulation: Freq.   Numeric  Label
                       2,584        0  lt high school
                      10,720        1  high school
                       1,721        2  junior college
                       4,190        3  bachelor
                       2,414        4  graduate
                           2       .a
                           1       .d
                          16       .n
```

```
234 codebook race
```

---

race **(unlabeled)**

```
                 Type: Numeric (byte)
                Label: LABJG

                Range: [1,3]                         Units: 1
        Unique values: 3                          Missing .: 0/21,648
    Unique mv codes: 1                            Missing .*: 1,823/21,648

         Tabulation: Freq.   Numeric  Label
                    15,043         1  white
                     2,989         2  black
                     1,793         3  other
                     1,823        .y
```

```
235 codebook sex
```

---

sex **(unlabeled)**

```
                 Type: Numeric (byte)
                Label: SEX_3

                Range: [1,2]                         Units: 1
        Unique values: 2                          Missing .: 0/21,648
    Unique mv codes: 1                            Missing .*: 10/21,648

         Tabulation: Freq.   Numeric  Label
                     9,481         1  male
                    12,157         2  female
                        10        .n
```

```
236
237 keep panel_id panel monthintv dayintv year stata_intvdate rec_partyid polviews rec_n
  > atarms rec_natcrimy rec_natenvir rec_natfare rec_natrace rec_natsci rec_letin1a rec_
  > income race sex degree age

238
239 /****Save data in .dta format for use in estimating comparison models***/
240
241 save "../GSS_2006_2020RecodedAppendedPanels.dta",replace
  file ../GSS_2006_2020RecodedAppendedPanels.dta saved

242
243 /****Export dataset as excel file for use in Fortran code to estimate our models***/
244
245 export excel using "GSS_combined_panels_subset.xls", firstrow(variables) nolabel rep
  > lace missing("-999")
  file GSS_combined_panels_subset.xls saved

246
247 log close
       name:  <unnamed>
        log:  C:\Dropbox\Alecia\Stability of Political Attitudes\Replication Prep\GSS\d
  > ata\recode\log_recode.smcl
    log type:  smcl
   closed on:  10 Dec 2025, 19:20:37
```