STaTa®

Statistics/Data analysis

_____

```
      name:  <unnamed>
       log:  //Client/C$/Users/yfkas/OneDrive/Documents/GitHub/ARE213_Fall2023/pset1_l
> ogfile.smcl
  log type:  smcl
 opened on:   2 Oct 2023, 10:14:44
```

```stata
1 .
2 . // install programs
3 . do "$do_loc/code/01_programs.do"

4 . /*
  > Programs to be installed
  >
  > */
5 .
6 .
7 .
8 . local net_program_list ietoolkit // for iebaltab

9 .
10. foreach program in `net_program_list' {
    2.       net install `program', from ("http://fmwww.bc.edu/RePEc/bocode/i")
    3. }
  checking ietoolkit consistency and verifying not already installed...
  all files already exist and are up to date.

11.
12.
13.
14. // ssc install heatplot
15. // ssc install palettes, replace
16. // ssc install colrspace, replace
17. ssc install dmout
  checking dmout consistency and verifying not already installed...
  all files already exist and are up to date.

18. ssc install oaxaca
  checking oaxaca consistency and verifying not already installed...
  all files already exist and are up to date.

19.
20. do "$do_loc/code/my_programs/fix_import.do"

21. // This program stacks latex file into single column after tex file is
22. // read in using import delimited
23.
24. capture prog drop fix_import

25. prog define fix_import
    1.
26.                  // but first change numerics to strings
27.                  quietly ds, not(type string)
    2.                   foreach var in `r(varlist)' {
    3.                           tostring `var', replace
    4.                           // clear out missings
28.                           replace `var' = "" if `var' == "."
    5.                   }
    6.
29.                  quietly ds
    7.                   local var_count : word count `r(varlist)'
    8.                   qui gen text = v1
    9.                   forval i = 2/`var_count' {
    10.                          replace text = text + "," + v`i' if v`i' != ""
    11.                  }
    12.                  keep text
    13. end
```

```
30.
  end of do-file

31.
32.
  end of do-file

33.
34. // clean
35. do "$do_loc/code/02_clean.do"

36. * ============================================================================ *
37. *                                                    ARE 213: Problem set 1
38. *                    Group members: Rajdev Brar, Yazen Kashlan, Cassandra Turk
39. * ============================================================================ *
40. /*
  >
  >        Title:          are213_pset1.do
  >
  >        Outline:
  >
  >        Input:          pset1.dta
  >
  >        Output:         pset1_cleaned.dta
  >
  >        Modified:       Rajdev Brar on 23 Sep 2023
  >
  > */
41. * ============================================================================ *
42.
43.
44. use "$dta_loc/data/pset1", clear

45.
46.
47. * ============================================================================ *
48. * Question 1 (a-b)
49. * ============================================================================
50.
51.        // label values
52.        label define yesno                              0 "No"              1 "Y
  > es"

53.        label define tobacco_lab               0 "Non-smoker" 1 "Smoker"

54.        label values tobacco tobacco_lab

55.
56.
57. ** Q1.a Fix missing values -------------------------------------------------
58. * We are told and can confirm that all variables except for cardiac - wgain are with
  > out unassigned missing values.
59.
60.        * check missing values for vars: cardiac lung diabetes herpes chyper phyper
  > pre4000 preterm tobacco cigar6 alcohol drink5 wgain
61.        tab1 cardiac lung diabetes herpes chyper phyper pre4000 preterm tobacco ciga
  > r6 alcohol drink5 wgain, m
```

-> tabulation of cardiac

cardiac disease mother	Freq.	Percent	Cum.
1	1,186	0.73	0.73
2	160,224	99.21	99.95
9	83	0.05	100.00
Total	161,493	100.00	

-> tabulation of lung

acute or chronic lung disease mother	Freq.	Percent	Cum.
1	1,336	0.83	0.83
2	160,074	99.12	99.95
9	83	0.05	100.00
Total	161,493	100.00	

-> tabulation of diabetes

diabetes mother	Freq.	Percent	Cum.
1	4,147	2.57	2.57
2	157,263	97.38	99.95
9	83	0.05	100.00
Total	161,493	100.00	

-> tabulation of herpes

genital herpes mother	Freq.	Percent	Cum.
1	1,032	0.64	0.64
2	160,372	99.31	99.94
8	6	0.00	99.95
9	83	0.05	100.00
Total	161,493	100.00	

-> tabulation of chyper

chronic hypertension	Freq.	Percent	Cum.
1	1,308	0.81	0.81
2	160,102	99.14	99.95
9	83	0.05	100.00
Total	161,493	100.00	

-> tabulation of phyper

pregnancy related hypertension	Freq.	Percent	Cum.
1	4,929	3.05	3.05
2	156,481	96.90	99.95
9	83	0.05	100.00
Total	161,493	100.00	

-> tabulation of pre4000

previous infant 4000 or more grams	Freq.	Percent	Cum.
1	2,176	1.35	1.35
2	159,234	98.60	99.95
9	83	0.05	100.00
Total	161,493	100.00	

-> tabulation of preterm

previous preterm infant	Freq.	Percent	Cum.
1	2,626	1.63	1.63
2	158,784	98.32	99.95
9	83	0.05	100.00
Total	161,493	100.00	

-> tabulation of tobacco

tobacco use during pregnancy	Freq.	Percent	Cum.
Smoker	31,977	19.80	19.80
2	129,285	80.06	99.86
9	231	0.14	100.00
Total	161,493	100.00	

-> tabulation of cigar6

average number of cigarettes per day recode	Freq.	Percent	Cum.
0	129,285	80.06	80.06
1	6,706	4.15	84.21
2	12,920	8.00	92.21
3	9,269	5.74	97.95
4	1,330	0.82	98.77
5	59	0.04	98.81
6	1,924	1.19	100.00
Total	161,493	100.00	

-> tabulation of alcohol

alcohol use during pregnancy	Freq.	Percent	Cum.
1	5,074	3.14	3.14
2	156,129	96.68	99.82
9	290	0.18	100.00
Total	161,493	100.00	

-> tabulation of drink5

average number of drinks recode	Freq.	Percent	Cum.
0	156,129	96.68	96.68
1	749	0.46	97.14
2	504	0.31	97.45
3	336	0.21	97.66
4	489	0.30	97.97
5	3,286	2.03	100.00
Total	161,493	100.00	

-> tabulation of wgain

weight gain	Freq.	Percent	Cum.
0	1,332	0.82	0.82
1	164	0.10	0.93
2	277	0.17	1.10
3	273	0.17	1.27
4	375	0.23	1.50
5	591	0.37	1.87
6	542	0.34	2.20
7	525	0.33	2.53
8	672	0.42	2.94
9	611	0.38	3.32
10	2,164	1.34	4.66
11	864	0.54	5.20
12	1,398	0.87	6.06
13	1,171	0.73	6.79
14	1,410	0.87	7.66
15	3,285	2.03	9.69
16	1,720	1.07	10.76
17	1,794	1.11	11.87
18	2,555	1.58	13.45
19	1,791	1.11	14.56
20	9,178	5.68	20.24
21	2,707	1.68	21.92
22	3,942	2.44	24.36
23	3,411	2.11	26.47
24	3,704	2.29	28.77
25	10,689	6.62	35.39
26	4,129	2.56	37.94
27	4,004	2.48	40.42
28	4,968	3.08	43.50
29	2,897	1.79	45.29
30	16,204	10.03	55.33
31	2,972	1.84	57.17
32	4,827	2.99	60.15
33	3,317	2.05	62.21
34	3,129	1.94	64.15
35	8,401	5.20	69.35
36	2,881	1.78	71.13
37	2,536	1.57	72.70
38	2,882	1.78	74.49
39	1,613	1.00	75.49
40	8,911	5.52	81.00
41	1,467	0.91	81.91
42	1,960	1.21	83.13
43	1,558	0.96	84.09
44	1,188	0.74	84.83
45	3,332	2.06	86.89
46	1,095	0.68	87.57
47	918	0.57	88.14
48	938	0.58	88.72
49	514	0.32	89.04
50	3,590	2.22	91.26
51	464	0.29	91.55
52	615	0.38	91.93
53	506	0.31	92.24

```
          54  |        438        0.27        92.51
          55  |        891        0.55        93.06
          56  |        308        0.19        93.25
          57  |        280        0.17        93.43
          58  |        276        0.17        93.60
          59  |        169        0.10        93.70
          60  |      1,160        0.72        94.42
          61  |        137        0.08        94.51
          62  |        175        0.11        94.61
          63  |        155        0.10        94.71
          64  |        131        0.08        94.79
          65  |        331        0.20        95.00
          66  |         97        0.06        95.06
          67  |         74        0.05        95.10
          68  |         93        0.06        95.16
          69  |         46        0.03        95.19
          70  |        340        0.21        95.40
          71  |         39        0.02        95.42
          72  |         49        0.03        95.45
          73  |         40        0.02        95.48
          74  |         42        0.03        95.50
          75  |         99        0.06        95.57
          76  |         28        0.02        95.58
          77  |         23        0.01        95.60
          78  |         24        0.01        95.61
          79  |         15        0.01        95.62
          80  |        108        0.07        95.69
          81  |         14        0.01        95.70
          82  |         11        0.01        95.70
          83  |          7        0.00        95.71
          84  |         11        0.01        95.71
          85  |         28        0.02        95.73
          87  |          5        0.00        95.73
          88  |          8        0.00        95.74
          89  |          5        0.00        95.74
          90  |         23        0.01        95.76
          91  |          2        0.00        95.76
          92  |          3        0.00        95.76
          93  |          5        0.00        95.76
          94  |          2        0.00        95.76
          95  |          2        0.00        95.77
          96  |          5        0.00        95.77
          97  |          1        0.00        95.77
          98  |         57        0.04        95.80
          99  |      6,775        4.20       100.00
       --------+---------------------------------
       Total  |    161,493      100.00
```

```
  62.
  63.
  64.          // From the original codebook: unknown or not stated
  65.          // 99: wgain
  66.          // 5: drink5
  67.          // 9: alcohol tobacco preterm pre4000 phyper chyper herpes diabetes lung car
     > diac
  68.          // 6: cigar6
  69.          recode wgain (99=.m)
     (wgain: 6775 changes made)

  70.          recode drink5 (5=.m)
     (drink5: 3286 changes made)
```

```
71.         recode cigar6 (6=.m)
  (cigar6: 1924 changes made)

72.         recode alcohol tobacco preterm pre4000 phyper chyper herpes diabetes lung ca
  > rdiac (9=.m)
  (alcohol: 290 changes made)
  (tobacco: 231 changes made)
  (preterm: 83 changes made)
  (pre4000: 83 changes made)
  (phyper: 83 changes made)
  (chyper: 83 changes made)
  (herpes: 83 changes made)
  (diabetes: 83 changes made)
  (lung: 83 changes made)
  (cardiac: 83 changes made)

73.
74.         // From the codebook: other unknowns
75.         // 8: herpes
76.         recode herpes (8=.d)
  (herpes: 6 changes made)

77.
78.
79.         * check tabulations to see missing values have been recoded
80.         tab1 cardiac lung diabetes herpes chyper phyper pre4000 preterm tobacco ciga
  > r6 alcohol drink5 wgain, m
```

-> tabulation of cardiac

cardiac disease mother	Freq.	Percent	Cum.
1	1,186	0.73	0.73
2	160,224	99.21	99.95
.m	83	0.05	100.00
Total	161,493	100.00	

-> tabulation of lung

acute or chronic lung disease mother	Freq.	Percent	Cum.
1	1,336	0.83	0.83
2	160,074	99.12	99.95
.m	83	0.05	100.00
Total	161,493	100.00	

-> tabulation of diabetes

diabetes mother	Freq.	Percent	Cum.
1	4,147	2.57	2.57
2	157,263	97.38	99.95
.m	83	0.05	100.00
Total	161,493	100.00	

-> tabulation of herpes

genital herpes mother	Freq.	Percent	Cum.
1	1,032	0.64	0.64
2	160,372	99.31	99.94
.d	6	0.00	99.95
.m	83	0.05	100.00
Total	161,493	100.00	

-> tabulation of chyper

chronic hypertensio n	Freq.	Percent	Cum.
1	1,308	0.81	0.81
2	160,102	99.14	99.95
.m	83	0.05	100.00
Total	161,493	100.00	

-> tabulation of phyper

pregnancy related hypertensio n	Freq.	Percent	Cum.
1	4,929	3.05	3.05
2	156,481	96.90	99.95
.m	83	0.05	100.00
Total	161,493	100.00	

-> tabulation of pre4000

previous infant 4000 or more grams	Freq.	Percent	Cum.
1	2,176	1.35	1.35
2	159,234	98.60	99.95
.m	83	0.05	100.00
Total	161,493	100.00	

-> tabulation of preterm

previous preterm infant	Freq.	Percent	Cum.
1	2,626	1.63	1.63
2	158,784	98.32	99.95
.m	83	0.05	100.00
Total	161,493	100.00	

-> tabulation of tobacco

tobacco use during pregnancy	Freq.	Percent	Cum.
Smoker	31,977	19.80	19.80
2	129,285	80.06	99.86
.m	231	0.14	100.00
Total	161,493	100.00	

-> tabulation of cigar6

average number of cigarettes per day recode	Freq.	Percent	Cum.
0	129,285	80.06	80.06
1	6,706	4.15	84.21
2	12,920	8.00	92.21
3	9,269	5.74	97.95
4	1,330	0.82	98.77
5	59	0.04	98.81
.m	1,924	1.19	100.00
Total	161,493	100.00	

-> tabulation of alcohol

alcohol use during pregnancy	Freq.	Percent	Cum.
1	5,074	3.14	3.14
2	156,129	96.68	99.82
.m	290	0.18	100.00
Total	161,493	100.00	

-> tabulation of drink5

average number of drinks recode	Freq.	Percent	Cum.
0	156,129	96.68	96.68
1	749	0.46	97.14
2	504	0.31	97.45
3	336	0.21	97.66
4	489	0.30	97.97
.m	3,286	2.03	100.00
Total	161,493	100.00	

-> tabulation of wgain

weight gain	Freq.	Percent	Cum.
0	1,332	0.82	0.82
1	164	0.10	0.93
2	277	0.17	1.10
3	273	0.17	1.27
4	375	0.23	1.50
5	591	0.37	1.87
6	542	0.34	2.20
7	525	0.33	2.53
8	672	0.42	2.94
9	611	0.38	3.32
10	2,164	1.34	4.66
11	864	0.54	5.20

12	1,398	0.87	6.06
13	1,171	0.73	6.79
14	1,410	0.87	7.66
15	3,285	2.03	9.69
16	1,720	1.07	10.76
17	1,794	1.11	11.87
18	2,555	1.58	13.45
19	1,791	1.11	14.56
20	9,178	5.68	20.24
21	2,707	1.68	21.92
22	3,942	2.44	24.36
23	3,411	2.11	26.47
24	3,704	2.29	28.77
25	10,689	6.62	35.39
26	4,129	2.56	37.94
27	4,004	2.48	40.42
28	4,968	3.08	43.50
29	2,897	1.79	45.29
30	16,204	10.03	55.33
31	2,972	1.84	57.17
32	4,827	2.99	60.15
33	3,317	2.05	62.21
34	3,129	1.94	64.15
35	8,401	5.20	69.35
36	2,881	1.78	71.13
37	2,536	1.57	72.70
38	2,882	1.78	74.49
39	1,613	1.00	75.49
40	8,911	5.52	81.00
41	1,467	0.91	81.91
42	1,960	1.21	83.13
43	1,558	0.96	84.09
44	1,188	0.74	84.83
45	3,332	2.06	86.89
46	1,095	0.68	87.57
47	918	0.57	88.14
48	938	0.58	88.72
49	514	0.32	89.04
50	3,590	2.22	91.26
51	464	0.29	91.55
52	615	0.38	91.93
53	506	0.31	92.24
54	438	0.27	92.51
55	891	0.55	93.06
56	308	0.19	93.25
57	280	0.17	93.43
58	276	0.17	93.60
59	169	0.10	93.70
60	1,160	0.72	94.42
61	137	0.08	94.51
62	175	0.11	94.61
63	155	0.10	94.71
64	131	0.08	94.79
65	331	0.20	95.00
66	97	0.06	95.06
67	74	0.05	95.10
68	93	0.06	95.16
69	46	0.03	95.19
70	340	0.21	95.40
71	39	0.02	95.42
72	49	0.03	95.45
73	40	0.02	95.48
74	42	0.03	95.50
75	99	0.06	95.57
76	28	0.02	95.58
77	23	0.01	95.60
78	24	0.01	95.61
79	15	0.01	95.62
80	108	0.07	95.69
81	14	0.01	95.70
82	11	0.01	95.70
83	7	0.00	95.71

```
        84 |         11      0.01     95.71
        85 |         28      0.02     95.73
        87 |          5      0.00     95.73
        88 |          8      0.00     95.74
        89 |          5      0.00     95.74
        90 |         23      0.01     95.76
        91 |          2      0.00     95.76
        92 |          3      0.00     95.76
        93 |          5      0.00     95.76
        94 |          2      0.00     95.76
        95 |          2      0.00     95.77
        96 |          5      0.00     95.77
        97 |          1      0.00     95.77
        98 |         57      0.04     95.80
        .m |      6,775      4.20    100.00
     ------+----------------------------------
     Total |    161,493    100.00
```

```
81.
82.
83. ** Q1.b Recode indicators -------------------------------------------------------
84. // From code book: indicators with 1 = yes, 2 = no
85.
86.        // recode indicators
87.        ds dmar rectype pldel3 csex anemia - tobacco alcohol
   dmar     rectype   pldel3    csex      anemia    cardiac   lung      diabetes herpes
   >     chyper
   >             phyper
   >                         pre4000
   >                               preterm
   >                                       tobacco
   >                                               alcohol

88.        recode `r(varlist)' (2=0)
   (dmar: 51893 changes made)
   (rectype: 41672 changes made)
   (pldel3: 3208 changes made)
   (csex: 78615 changes made)
   (anemia: 159610 changes made)
   (cardiac: 160224 changes made)
   (lung: 160074 changes made)
   (diabetes: 157263 changes made)
   (herpes: 160372 changes made)
   (chyper: 160102 changes made)
   (phyper: 156481 changes made)
   (pre4000: 159234 changes made)
   (preterm: 158784 changes made)
   (tobacco: 129285 changes made)
   (alcohol: 156129 changes made)

89.
90.        // relabel vague indicators
91.        label var dmar        "Mother: married (yes=1)"

92.        label var rectype     "Resident in state and county of occurance (yes=1)"

93.        label var pldel3      "Born in hospital (yes=1)"

94.        label var csex        "Male (yes=1)"
```

```
95.
96.
97.          // Recode mrace3 as a set of indicator variables
98.          assert !missing(mrace3) // no missing values

99.          tab mrace3, gen(mrace3_)
```

race of mother recode	Freq.	Percent	Cum.
1	133,608	82.73	82.73
2	3,354	2.08	84.81
3	24,531	15.19	100.00
Total	161,493	100.00	

```
100       drop mrace3

101       label var mrace3_1 "Mother race: White (yes=1)"

102       label var mrace3_2 "Mother race: Other (yes=1)"

103       label var mrace3_3 "Mother race: Black (yes=1)"

104
105
106          // Coarsen ormoth and orfath into indicator variables
107          tab ormoth
```

hispanic origin of mother	Freq.	Percent	Cum.
0	154,987	96.09	96.09
1	587	0.36	96.45
2	4,098	2.54	98.99
3	99	0.06	99.05
4	630	0.39	99.44
5	898	0.56	100.00
Total	161,299	100.00	

```
108       gen     hisp_moth = ormoth
  (194 missing values generated)

109       replace hisp_moth = 1 if ormoth > 0 & !missing(ormoth)
  (5,725 real changes made)

110       lab var hisp_moth "Mother race: Hispanic (yes=1)"

111
112          tab orfath
```

hispanic origin of father	Freq.	Percent	Cum.
0	151,361	95.84	95.84
1	774	0.49	96.33
2	4,092	2.59	98.92
3	117	0.07	98.99
4	734	0.46	99.46
5	854	0.54	100.00
Total	157,932	100.00	

```
113         gen     hisp_fath = orfath
   (3,561 missing values generated)

114         replace hisp_fath = 1 if orfath > 0 & !missing(orfath)
   (5,797 real changes made)

115         lab var hisp_fath "Father race: Hispanic (yes=1)"

116
117         drop ormoth orfath

118
119         // For simplicity, drop stresfip, birmon, and weekday.
120         tab stresfip
```

state of residence	Freq.	Percent	Cum.
0	28	0.02	0.02
1	1	0.00	0.02
4	3	0.00	0.02
6	23	0.01	0.03
8	3	0.00	0.04
9	6	0.00	0.04
10	289	0.18	0.22
11	2	0.00	0.22
12	40	0.02	0.24
13	11	0.01	0.25
17	8	0.00	0.26
19	2	0.00	0.26
21	7	0.00	0.26
22	1	0.00	0.26
23	1	0.00	0.26
24	358	0.22	0.48
25	8	0.00	0.49
26	5	0.00	0.49
27	2	0.00	0.49
28	1	0.00	0.49
29	2	0.00	0.50
30	1	0.00	0.50
31	1	0.00	0.50
32	1	0.00	0.50
33	1	0.00	0.50
34	2,277	1.41	1.91
36	739	0.46	2.37
37	18	0.01	2.38
38	1	0.00	2.38
39	417	0.26	2.64
40	3	0.00	2.64
41	1	0.00	2.64
42	157,075	97.26	99.90
44	1	0.00	99.90
45	7	0.00	99.91
46	1	0.00	99.91
47	7	0.00	99.91
48	6	0.00	99.92
51	27	0.02	99.93
53	5	0.00	99.94
54	99	0.06	100.00
55	4	0.00	100.00
Total	161,493	100.00	

```
121         tab birmon
```

month of birth	Freq.	Percent	Cum.
1	13,417	8.31	8.31
2	12,422	7.69	16.00
3	13,981	8.66	24.66
4	13,589	8.41	33.07
5	13,928	8.62	41.70
6	13,314	8.24	49.94
7	14,191	8.79	58.73
8	14,083	8.72	67.45
9	13,968	8.65	76.10
10	13,308	8.24	84.34
11	12,411	7.69	92.02
12	12,881	7.98	100.00
Total	161,493	100.00	

```
122         tab weekday
```

day of week child born	Freq.	Percent	Cum.
1	17,737	10.98	10.98
2	23,163	14.34	25.33
3	25,511	15.80	41.12
4	25,370	15.71	56.83
5	25,136	15.56	72.40
6	25,518	15.80	88.20
7	19,058	11.80	100.00
Total	161,493	100.00	

```
123
124         drop stresfip birmon weekday

125
126
127 * recode potential controls
128         gen     dmeduc_0 = (dmeduc==0)

129         lab var dmeduc_0 "Education: No formal education (yes=1)"

130         gen     dmeduc_1 = (dmeduc>=1 & dmeduc<=8)

131         lab var dmeduc_1 "Highest education: Elementary school (yes=1)"

132         gen     dmeduc_2 = (dmeduc>=9 & dmeduc<=12)

133         lab var dmeduc_2 "Highest education: High school (yes=1)"

134         gen     dmeduc_3 = (dmeduc>=13 & dmeduc<=17)

135         lab var dmeduc_3 "Highest education: College or more (yes=1)"

136         foreach var of varlist dmeduc_* {
  2.                 replace `var'=. if mi(dmeduc)
  3.             }
  (2,923 real changes made, 2,923 to missing)
  (2,923 real changes made, 2,923 to missing)
  (2,923 real changes made, 2,923 to missing)
  (2,923 real changes made, 2,923 to missing)
```

```
137
138        tab adequacy, gen(adequacy_)
```

adequacy of care recode	Freq.	Percent	Cum.
1	111,560	70.89	70.89
2	34,658	22.02	92.91
3	11,160	7.09	100.00
Total	157,378	100.00	

```
139        lab var adequacy_1 "Adequacy of care: Adequate (yes=1)"

140        lab var adequacy_2 "Adequacy of care: Intermediate (yes=1)"

141        lab var adequacy_3 "Adequacy of care: Inadequate (yes=1)"

142
143        tab cntocpop, gen(cntocpop_)
```

county of occurence population	Freq.	Percent	Cum.
0	50,052	34.75	34.75
1	20,666	14.35	49.10
2	43,136	29.95	79.04
3	30,187	20.96	100.00
Total	144,041	100.00	

```
144        lab var cntocpop_1 "Population of county of origin: 1000k or more (yes=1)"

145        lab var cntocpop_2 "Population of county of origin: 500k to 1000k (yes=1)"

146        lab var cntocpop_3 "Population of county of origin: 250k to 500k (yes=1)"

147        lab var cntocpop_4 "Population of county of origin: 100k to 250k (yes=1)"

148
149        tab isllb10, gen(isllb10_)
```

interval since last live birth recode	Freq.	Percent	Cum.
0	64,196	41.69	41.69
1	1,363	0.89	42.57
2	1,447	0.94	43.51
3	9,521	6.18	49.70
4	12,639	8.21	57.90
5	22,363	14.52	72.43
6	14,940	9.70	82.13
7	8,765	5.69	87.82
8	5,465	3.55	91.37
9	13,291	8.63	100.00
Total	153,990	100.00	

```
150        lab var isllb10_1 "Interval since last birth: No previous live birth (yes=1)
  > "

151        lab var isllb10_2 "Interval since last birth: 0 months (yes=1)"

152        lab var isllb10_3 "Interval since last birth: 1-11 months (yes=1)"

153        lab var isllb10_4 "Interval since last birth: 12-17 months (yes=1)"

154        lab var isllb10_5 "Interval since last birth: 18-23 months (yes=1)"

155        lab var isllb10_6 "Interval since last birth: 24-35 months (yes=1)"

156        lab var isllb10_7 "Interval since last birth: 36-47 months (yes=1)"

157        lab var isllb10_8 "Interval since last birth: 48-59 months (yes=1)"

158        lab var isllb10_9 "Interval since last birth: 60-71 months (yes=1)"

159        lab var isllb10_10 "Interval since last birth: 72 months or over (yes=1)"

160
161        tab totord9, gen(totord9_)
```

total birth order recode	Freq.	Percent	Cum.
1	49,137	30.44	30.44
2	47,868	29.66	60.10
3	31,074	19.25	79.35
4	16,391	10.15	89.51
5	8,234	5.10	94.61
6	4,247	2.63	97.24
7	2,014	1.25	98.49
8	2,444	1.51	100.00
Total	161,409	100.00	

```
162        lab var totord9_1 "Total birth order: First child (yes=1)"

163        lab var totord9_2 "Total birth order: Second child (yes=1)"

164        lab var totord9_3 "Total birth order: Third child (yes=1)"

165        lab var totord9_4 "Total birth order: Fourth child (yes=1)"

166        lab var totord9_5 "Total birth order: Fifth child (yes=1)"

167        lab var totord9_6 "Total birth order: Sixth child (yes=1)"

168        lab var totord9_7 "Total birth order: Seventh child (yes=1)"

169        lab var totord9_8 "Total birth order: Eight child or more (yes=1)"

170
171        gen    dplural_1 = (dplural==1 )

172        replace dplural_1 = . if mi(dplural_1)
  (0 real changes made)
```

```
173          lab var dplural_1 "Single child birth (yes=1)"

174
175
176
177 * Label variables
178          lab var dbrwt     "Birthweight (grams)"

179          lab var tobacco   "Tobacco use during pregnancy (yes=1)"

180          lab var dmage     "Age of mother (years)"

181          lab var alcohol   "Alcohol use during pregnancy (yes=1)"

182          lab var phyper    "Pregnancy-related hypertension (yes=1)"

183          lab var diabetes "Mother has diabetes (yes=1)"

184          lab var anemia    "Mother has anemia (yes=1)"

185          lab var dgestat   "Gestation (weeks)"

186          lab var dlivord   "Number of live births, now dead"

187          lab var pre4000   "Previous infant 4000+ grams (yes=1)"

188          lab var lung      "Mother has acute or chronic lung disease (yes=1)"

189
190
191          qui ds

192          local all_vars `r(varlist)'

193          egen miss_ct = rowmiss(`all_vars')

194          gen  miss_any = (miss_ct > 0)

195          label define miss_any_lab 0 "No missings variables" 1 "Any missing variables
  > "

196          label values miss_any miss_any_lab

197
198
199 save "$dta_loc/data/pset1_clean_miss.dta", replace
  file //Client/C$/Users/yfkas/CEGA Dropbox/Yazen Kashlan/ARE213/Pset1/data/pset1_clean_
  > miss.dta saved

200
201          // drop missings to achieve final obs count of 114,610.
202          drop if miss_any == 1
  (46,883 observations deleted)

203          drop miss*

204          assert _N == 114610 // as required in prompt

205
206
```

```
207 save "$dta_loc/data/pset1_clean.dta", replace
   file //Client/C$/Users/yfkas/CEGA Dropbox/Yazen Kashlan/ARE213/Pset1/data/pset1_clean.
   > dta saved

208
209
210
211
   end of do-file

212
213 // analyze
214 // do "$do_loc/code/03_analysis.do"
215
216 log close
        name:  <unnamed>
         log:  //Client/C$/Users/yfkas/OneDrive/Documents/GitHub/ARE213_Fall2023/pset1_l
   > ogfile.smcl
    log type:  smcl
   closed on:    2 Oct 2023, 10:15:59
   _____
```