```stata
1   **********************************************************************************************
    ******************************************************
2   ***SYNTAX FOR "Sex and socio-economic inequalities in the breadth of internet use before and during
    the COVID-19 pandemic among older adults in England"***
3   **********************************************************************************************
    ******************************************************
4
5   * STATA version: 17.0, BE-Basic Edition
6
7   * STATA citation: StataCorp. 2021. Stata Statistical Software: Release 17. College Station, TX:
    StataCorp LLC.
8
9   * Data citation (main ELSA survey): Banks, J., Batty, G. David, Breedvelt, J., Coughlin, K.,
    Crawford, R., Marmot, M., Nazroo, J., Oldfield, Z., Steel, N., Steptoe, A., Wood, M., Zaninotto, P.
    (2021). English Longitudinal Study of Ageing: Waves 0-9, 1998-2019. [data collection]. 37th Edition.
    UK Data Service. SN: 5050, DOI: 10.5255/UKDA-SN-5050-24
10
11  * Data citation (COVID-19 sub-study): Steptoe, A., Addario, G., Banks, J., Batty, G. David,
    Coughlin, K., Crawford, R., Dangerfield, P., Marmot, M., Nazroo, J., Oldfield, Z., Pacchiotti, B.,
    Steel, N., Wood, M., Zaninotto, P. (2021). English Longitudinal Study of Ageing COVID-19 Study,
    Waves 1-2, 2020. [data collection]. 2nd Edition. UK Data Service. SN: 8688, DOI:
    10.5255/UKDA-SN-8688-2
12
13  * Data access statement: ELSA data from the main survey (SN 5050) and the COVID-19 sub-study (SN
    8688) are available through the UK Data Service (https://ukdataservice.ac.uk/). The main ELSA
    dataset is safeguarded and can be accessed via
    https://beta.ukdataservice.ac.uk/datacatalogue/studies/study?id=5050#!/access-data. The COVID-19
    sub-study can be accessed via
    https://beta.ukdataservice.ac.uk/datacatalogue/studies/study?id=8688#!/access-data. More information
    on how to access ELSA, including the conditions of use, can be found on the UK Data Service website
    (main ELSA survey: https://beta.ukdataservice.ac.uk/datacatalogue/studies/study?id=5050#!/details;
    COVID-19 sub-study: https://beta.ukdataservice.ac.uk/datacatalogue/studies/study?id=8688#!/details)
    and the ELSA website (main ELSA survey: https://www.elsa-project.ac.uk/accessing-elsa-data; COVID-19
    sub-study: https://www.elsa-project.ac.uk/covid-19-data).
14
15  * Date of data access/download (dd/mm/yyyy): 17/12/2021
16
17  * Project ID: 217429
18
19  * Data documentation: Documentation pertaining to ELSA (e.g., data dictionaries, questionnaires,
    technical reports, user guides) is available on the UK Data Service website (main ELSA survey:
    https://beta.ukdataservice.ac.uk/datacatalogue/studies/study?id=5050#!/documentation; COVID-19
    sub-study: https://beta.ukdataservice.ac.uk/datacatalogue/studies/study?id=8688#!/documentation) and
    the ELSA website (main ELSA survey: https://www.elsa-project.ac.uk/data-and-documentation; COVID-19
    sub-study: https://www.elsa-project.ac.uk/covid-19-data).
20
21  *********************
22  ***DATA PROCESSING***
23  *********************
24
25  * Change working directory - add pathname in between quotation marks for Windows
26  cd ""
27
28  * Variables Wave 9
29  use idauniq scint scinddt scindlt scindtb scindph scind95 scind96 scinaem scinacl scinaed scinabk
    scinash scinasl scinasn scinact scinanw scinast scinagm scinajb scinaps scina95 scina96 scinahe
    w9nssec8 w9nssec3 samptyp w9xwgt w9scwt indsex indager dimarr fqethnmr wpdes hhtot heill helim using
    wave_9_elsa_data_eul_v1.dta
30  * Describe dataset
31  describe
32  * Sort from lowest to highest participant identifier (ID)
33  sort idauniq
34  * Rename variables to shorter forms
```

```stata
35    rename w9nssec8 nssec8
36    rename w9nssec3 nssec3
37    rename indsex Sex
38    * Generate a new variable called wave and assign the number 9 to each observation (to designate Wave
      9)
39    gen wave = 9
40    * Save Wave 9 core dataset
41    save wave9internet.dta
42
43    * Variables COVID Wave 1
44    use idauniq CvIntA CvIntB CvIntC01 CvIntC02 CvIntC03 CvIntC04 CvIntC05 CvIntC06 CvIntC07 CvIntC08
      CvIntC09 CvIntC10 CvIntC11 CvIntC12 CvIntD CvIntE01 CvIntE02 CvIntE03 CvIntE04 CvIntE05 CvIntE06
      CvIntE07 CvIntE08 CvIntE980 CvIntE990 CvIntE995 CvIntE998 FinStat Cohort CorePartner wtfin1 wtfin2
      cov19lwgt Sex Age_Arch RelStat Ethnicity_arch CvPred CvPstd CvNumP heill_updated helim_updated using
      elsa_covid_w1_eul.dta
45    * Describe dataset
46    describe
47    * Sort from lowest to highest participant ID
48    sort idauniq
49    * Generate a new variable called wave and assign the number 10 to each observation (to designate
      COVID Wave 1)
50    gen wave = 10
51    * Save COVID Wave 1 core dataset
52    save covidwave1internet.dta
53
54    * Variables Wave 9 Derived
55    use idauniq edqual using wave_9_ifs_derived_variables.dta
56    * Describe dataset
57    describe
58    * Sort from lowest to highest participant ID
59    sort idauniq
60    * Save Wave 9 derived dataset
61    save wave9derived.dta
62
63    * Variables Wave 9 Financial Derived
64    use idauniq totwq5_bu_s using wave_9_financial_derived_variables.dta
65    * Describe dataset
66    describe
67    * Sort from lowest to highest participant ID
68    sort idauniq
69    * Save Wave 9 financial dataset
70    save wave9financial.dta
71
72    * Wave 9 complete data
73    * Merge core, derived, and financial datasets for Wave 9 using the participant ID
74    use wave9internet.dta
75    * One-to-one merge of data in memory with wave9financial.dta on participant ID
76    merge 1:1 idauniq using wave9financial.dta, generate (merge_financial9)
77    * Overwrite Wave 9 dataset, by replacing the previously saved file
78    save wave9internet.dta, replace
79    * Use the newly saved file for Wave 9
80    use wave9internet.dta
81    * One-to-one merge of data in memory with wave9derived.dta on participant ID
82    merge 1:1 idauniq using wave9derived.dta, generate (merge_derived9)
83    * Sort from lowest to highest participant ID
84    sort idauniq
85    * Overwrite Wave 9 dataset, by replacing the previously saved file
86    save wave9internet.dta, replace
87
88    * Append Wave 9 and COVID Wave 1 datasets
89    use wave9internet.dta
90    append using covidwave1internet.dta
91    * Sort by participant ID and wave (lowest to highest)
```

```stata
92    sort idauniq wave
93    * Assigns a number in ascending order to each row of observations
94    gen ascnr = _n
95
96    * Unique individual serial number (personal ID)
97    * Replace variable as missing for any missing cases (coded as negative numbers in the ELSA dataset)
98    replace idauniq = . if idauniq<0
99
100   * Organising dataset
101   * Generate a variable that assigns the observation number (i.e., 1 for first data collection
      timepoint, 2 for second data collection timepoint) to each row by participant ID
102   bysort idauniq (wave): gen obsnr = _n
103   * Generate a variable that assigns the number of total observations to each row of data for a given
      participant
104   bysort idauniq: gen obscount = _N
105   * Check how many participants have data at 1 or 2 timepoints - the "if obsnr==1" statement is used
      to prevent participants with data at two timepoints from contributing to the counts twice
106   tabulate obscount if obsnr==1
107   * Generate a variable that assigns the number 1 to the row representing participants' first
      observation
108   bysort idauniq (wave): gen first = 1 if _n==1
109   * Generate a variable that assigns the number 1 to the row representing participants' last observation
110   bysort idauniq (wave): gen last = 1 if _n==_N
111   * Generate a variable that assigns the number 1 to the row representing participants' first
      observation if this corresponds to Wave 9 (baseline)
112   bysort idauniq (wave): gen firstwave = 1 if obsnr==1 & wave==9
113   * Carry the value of this last variable forwards to the remainder of a participant's observations
114   bysort idauniq: gen variable = firstwave[1]
115   * Install unique command
116   ssc install unique
117   * Count total number of participants and observations
118   unique idauniq
119   * 9,043 individuals, 15,776 observations
120   * Assign the COVID Wave 1 longitudinal weight to all observations for a participant
121   bysort idauniq(wave): replace cov19lwgt = cov19lwgt[2]
122   * Drop if participant is not a core member
123   drop if (samptyp !=1 & wave==9) | (inlist(wtfin1,-1,.) & wave==10)
124   * Count total number of participants and observations
125   unique idauniq
126   * 7,489 individuals, 13,074 observations
127   * Replace age = 90 if participant is aged 90+ years (collapsed in ELSA and coded as -7 at Wave 9)
128   replace indager = 90 if indager==-7
129   * Drop observation if the participant is aged less than 60 years at Wave 9
130   drop if indager < 60 & wave==9
131   * Count total number of participants and observations
132   unique idauniq
133   * 7,097 individuals, 11,687 observations
134   * Check how many participants have data at Wave 9
135   tab firstwave
136   * Drop if age data are missing at Wave 9
137   drop if indager ==. & wave==9
138   * Count total number of participants and observations
139   unique idauniq
140   * 7,097 individuals, 11,687 observations
141   tab Age_Arch
142   * Drop observation if the participant is aged less than 60 years at COVID Wave 1
143   drop if Age_Arch < 60 & wave==10
144   * Count total number of participants and observations
145   unique idauniq
146   * 6,187 individuals, 10,777 observations
147   * Drop if age data are missing at COVID Wave 1
148   drop if Age_Arch ==. & wave==10
149   * Count total number of participants and observations
```

```
150    unique idauniq
151    * 6,187 individuals, 10,777 observations
152    * Save dataset with a new name
153    save dataLCA.dta
154
155    * Internet frequency (Wave 9, COVID Wave 1)
156    * Wave 9
157    * Replace variables as missing for any missing cases (coded as negative numbers in the ELSA dataset)
158    replace scint = . if scint<0
159    * Generate a new variable
160    gen frequency = .
161    * Assign the number 0 if the participant never used the internet or email
162    replace frequency = 0 if scint == 6
163    * Assign the number 1 if the participant used the internet or email at least once a month (but not
       every week), at least once every 3 months, or less than every 3 months
164    replace frequency = 1 if inlist(scint,3,4,5)
165    * Assign the number 2 if the participant used the internet or email at least once a week (but not
       every day)
166    replace frequency = 2 if scint == 2
167    * Assign the number 3 if the participant used the internet or email every day, or almost every day
168    replace frequency = 3 if scint == 1
169    * COVID Wave 1
170    * Replace variables as missing for any missing cases (coded as negative numbers in the ELSA dataset)
171    replace CvIntA = . if CvIntA<0
172    * Assign the number 0 if the participant never used the internet
173    replace frequency = 0 if CvIntA == 6
174    * Assign the number 1 if the participant used the internet at least once a month (but not every
       week), or less than monthly
175    replace frequency = 1 if inlist(CvIntA,4,5)
176    * Assign the number 2 if the participant used the internet at least once a week (but not every day)
177    replace frequency = 2 if CvIntA == 3
178    * Assign the number 3 if the participant used the internet more than once a day, every day, or
       almost every day
179    replace frequency = 3 if inlist(CvIntA,1,2)
180    * Coding of final internet frequency variable:
181    * 0: Never
182    * 1: Low frequency (At least once a month, but not every week/Less than monthly/At least once every
       three months/Less than every three months)
183    * 2: Moderate frequency (At least once a week, but not every day)
184    * 3: High frequency (More than once a day/Every day, or almost every day)
185
186    * Highest Educational Qualification (Wave 9)
187    * Excluded foreign/other
188    * Replace variable as missing for any missing cases (coded as negative numbers in the ELSA dataset)
189    replace edqual = . if edqual<0
190    * Check participant counts in each category at Wave 9
191    tab edqual if wave==9
192    * Generate a new variable
193    gen educanew = .
194    * Assign the number 0 if the participant does not have any formal qualifications
195    replace educanew = 0 if edqual == 7
196    * Assign the number 1 if the participant has A level equivalent, O level equivalent, or other grade
       equivalent
197    replace educanew = 1 if inlist(edqual,3,4,5)
198    * Assign the number 2 if the participant has completed some higher education (below degree), or has
       a degree or equivalent
199    replace educanew = 2 if inlist(edqual,1,2)
200    * Coding of final education variable:
201    * 0: No formal qualifications
202    * 1: School qualifications
203    * 2: Higher education
204
205    * NS-SEC 8 and 3 category classification (Wave 9)
```

```stata
206    * Excluded Never worked and long-term unemployed
207    * Replace variables as missing for any missing cases (coded as negative numbers or 99 in the ELSA
       dataset)
208    * Check participant counts in each category at Wave 9
209    tab nssec8
210    replace nssec8 = . if nssec8<0
211    replace nssec8 = . if nssec8 == 99
212    replace nssec3 = . if nssec3<0
213    replace nssec3 = . if nssec3 == 99
214    tab nssec8
215    * Generate a new variable
216    gen mynssec3 = .
217    * Assign the number 2 if the participant's current or most recent occupation was coded as: Higher
       managerial, administrative and professional occupations; or Lower managerial, administrative and
       professional occupations
218    replace mynssec3 = 2 if inlist(nssec8,1,2)
219    * Assign the number 1 if the participant's current or most recent occupation was coded as:
       Intermediate occupation; or Small employers and own account workers
220    replace mynssec3 = 1 if inlist(nssec8,3,4)
221    * Assign the number 0 if the participant's current or most recent occupation was coded as: Lower
       supervisory and technical occupations; or Semi-routine occupations; or Routine occupations
222    replace mynssec3 = 0 if inlist(nssec8,5,6,7)
223    * Coding of final occupational class variable:
224    * 0: Lower occupations
225    * 1: Intermediate occupations
226    * 2: Higher occupations
227
228    * Quintiles of BU total (non-pension) wealth (Wave 9)
229    * Replace variable as missing for any missing cases (coded as negative numbers in the ELSA dataset)
230    replace totwq5_bu_s = . if totwq5_bu_s<0
231    * Coding of final wealth variable:
232    * 1: 1st quintile (lowest)
233    * 2: 2nd quintile
234    * 3: 3rd quintile
235    * 4: 4th quintile
236    * 5: 5th quintile (highest)
237
238    * Biological sex (Wave 9, COVID Wave 1)
239    * Replace variable as missing for any missing cases (coded as negative numbers in the ELSA dataset)
240    replace Sex = . if Sex<0
241    * Assign the number 0 if the participant is male
242    replace Sex = 0 if Sex == 1
243    * Assign the number 1 if the participant is female
244    replace Sex = 1 if Sex == 2
245    * Coding of the final biological sex variable:
246    * 0: Male, 1: Female
247
248    * Ethnicity (Wave 9, COVID Wave 1)
249    * Wave 9
250    * Replace variable as missing for any missing cases (coded as negative numbers in the ELSA dataset)
251    replace fqethnmr = . if fqethnmr<0
252    * Assign the number 0 if the participant is White
253    replace fqethnmr = 0 if fqethnmr == 1
254    * Assign the number 1 if the participant is Non-White
255    replace fqethnmr = 1 if fqethnmr == 2
256    * COVID Wave 1
257    * Assign the number 0 if the participant is Non-BAME
258    replace Ethnicity_arch = 0 if Ethnicity_arch == 1
259    * Assign the number 1 if the participant is BAME
260    replace Ethnicity_arch = 1 if Ethnicity_arch == 2
261    * Coding of the final ethnicity variable:
262    * 0: White, 1: Non-White
263
```

```stata
264   * Current employment situation (Wave 9, COVID Wave 1)
265   * Replace variables as missing for any missing cases (coded as negative numbers in the ELSA dataset)
266   replace wpdes = . if wpdes<0
267   replace CvPstd = . if CvPstd<0
268
269   * Number of people in household (Wave 9, COVID Wave 1)
270   * Wave 9
271   * Replace variable as missing for any missing cases (coded as negative numbers or 0 in the ELSA
      dataset)
272   replace hhtot = . if hhtot<0
273   replace hhtot = . if hhtot==0
274   * Assign the number 0 if one person lives in household
275   replace hhtot = 0 if hhtot==1
276   * Assign the number 1 if more than one person lives in household
277   replace hhtot = 1 if hhtot>1 & hhtot != .
278   * COVID Wave 1
279   * Replace variable as missing for any missing cases (coded as negative numbers or 0 in the ELSA
      dataset)
280   replace CvNumP = . if CvNumP<0
281   * Assign the number 0 if one person lives in household
282   replace CvNumP = 0 if CvNumP==1
283   * Assign the number 1 if more than one person lives in household
284   replace CvNumP = 1 if CvNumP>1 & CvNumP != .
285   * Coding of the final living status variable:
286   * 0: Living alone, 1: Not living alone
287
288   * Age categorical (Wave 9, COVID Wave 1)
289   * Generate a new variable
290   gen age_cat = .
291   * Assign the number 0 for participants aged 60-69 years at Wave 9
292   replace age_cat = 0 if indager >= 60 & indager <= 69
293   * Assign the number 1 for participants aged 70-79 years at Wave 9
294   replace age_cat = 1 if indager >= 70 & indager <= 79
295   * Assign the number 2 for participants aged 80+ years at Wave 9 and without missing age data
296   replace age_cat = 2 if indager >= 80 & indager != .
297   * Assign the number 0 for participants aged 60-69 years at COVID Wave 1
298   replace age_cat = 0 if Age_Arch >= 60 & Age_Arch <= 69
299   * Assign the number 1 for participants aged 70-79 years at COVID Wave 1
300   replace age_cat = 1 if Age_Arch >= 70 & Age_Arch <= 79
301   * Assign the number 2 for participants aged 80+ years at COVID Wave 1 and without missing age data
302   replace age_cat = 2 if Age_Arch >= 80 & Age_Arch != .
303   * Coding of the final categorical age variable:
304   * 0: 60-69 years
305   * 1: 70-79 years
306   * 2: 80+ years
307
308   * Limiting long-standing illness (Wave 9)
309   * Generate a new variable and assign the number 0 for participants with no long-standing illness or
      a long-standing illness that is not limiting
310   gen limiting = 0 if heill == 2 | helim == 2
311   * Assign the number 1 for participants with a limiting long-standing illness
312   replace limiting = 1 if helim == 1
313   * Coding of the final limiting long-standing illness variable:
314   * 0: No long-standing illness or not limiting, 1: Limiting long-standing illness
315
316   * Save dataset with a new name
317   save data01LCA.dta
318
319   * Time-constant education - Wave 9
320   * Generate a new variable duplicating the education variable at Wave 9
321   gen educa_cons = educanew if wave==9
322   * Declare a panel dataset with participant ID "idauniq" and time variable "wave"
323   tsset idauniq wave
```

```stata
324    * Install carryforward command
325    ssc install carryforward
326    * Generate a completely balanced dataset (i.e., all participants have a row for each wave)
327    tsfill, full
328    * Carryforward observations with respect to the time variable "wave" (i.e., from Wave 9 to COVID
       Wave 1) by participant ID
329    bysort idauniq: carryforward educa_cons, replace
330
331    * Time-constant occupational class - Wave 9
332    * Generate a new variable duplicating the occupational class variable at Wave 9
333    gen mynssec3_cons = mynssec3 if wave==9
334    * Declare a panel dataset with participant ID "idauniq" and time variable "wave"
335    tsset idauniq wave
336    * Carryforward observations with respect to the time variable "wave" (i.e., from Wave 9 to COVID
       Wave 1) by participant ID
337    bysort idauniq: carryforward mynssec3_cons, replace
338
339    * Time-constant wealth - Wave 9
340    * Generate a new variable duplicating the wealth variable at Wave 9
341    gen wealth_cons = totwq5_bu_s if wave==9
342    * Declare a panel dataset with participant ID "idauniq" and time variable "wave"
343    tsset idauniq wave
344    * Carryforward observations with respect to the time variable "wave" (i.e., from Wave 9 to COVID
       Wave 1) by participant ID
345    bysort idauniq: carryforward wealth_cons, replace
346
347    * Time-constant biological sex - Wave 9
348    * Generate a new variable duplicating the biological sex variable at Wave 9
349    gen sex_cons = Sex if wave==9
350    * Declare a panel dataset with participant ID "idauniq" and time variable "wave"
351    tsset idauniq wave
352    * Carryforward observations with respect to the time variable "wave" (i.e., from Wave 9 to COVID
       Wave 1) by participant ID
353    bysort idauniq: carryforward sex_cons, replace
354
355    * Time-constant age category - Wave 9
356    * Generate a new variable duplicating the categorical age variable at Wave 9
357    gen age_cons = age_cat if wave==9
358    * Declare a panel dataset with participant ID "idauniq" and time variable "wave"
359    tsset idauniq wave
360    * Carryforward observations with respect to the time variable "wave" (i.e., from Wave 9 to COVID
       Wave 1) by participant ID
361    bysort idauniq: carryforward age_cons, replace
362
363    * Limiting long-standing illness - Wave 9 (and updated in COVID Wave 1 for non-responders)
364    * Generate a new variable duplicating the limiting long-standing illness variable at Wave 9
365    gen limiting_cons = limiting if wave==9
366    * Declare a panel dataset with participant ID "idauniq" and time variable "wave"
367    tsset idauniq wave
368    * Carryforward observations with respect to the time variable "wave" (i.e., from Wave 9 to COVID
       Wave 1) by participant ID
369    bysort idauniq: carryforward limiting_cons, replace
370    * Assign the number 0 for participants with no long-standing illness or a long-standing illness that
       is not limiting at COVID Wave 1
371    replace limiting_cons = 0 if heill_updated == 2 | helim_updated == 2
372    * Assign the number 1 for participants with a limiting long-standing illness at COVID Wave 1
373    replace limiting_cons = 1 if helim_updated == 1
374
375    * Save dataset with a new name
376    save data02LCA.dta
377
378    * Time variable
379    * Generate a new variable
```

```
380    gen Time = .
381    * Assign the number 0 for observations at Wave 9
382    replace Time = 0 if wave==9
383    * Assign the number 1 for observations at COVID Wave 1
384    replace Time = 1 if wave==10
385    * Coding of the final time variable:
386    * 0: Wave 9, 1: COVID Wave 1
387
388    * Activities respondent used internet for in last 3 months (Wave 9, COVID Wave 1)
389    * Emails
390    * Generate a new variable
391    gen emails = .
392    * Assign the number 1 if the participant reported using the internet for sending/receiving emails
393    replace emails = 1 if scinaem==1 & wave==9
394    replace emails = 1 if CvIntC01==1 & wave==10
395    * Assign the number 0 if the participant reported not using the internet for sending/receiving emails
396    replace emails = 0 if scinaem==0 & wave==9
397    replace emails = 0 if CvIntC01==0 & wave==10
398    * Calls
399    * Generate a new variable
400    gen calls = .
401    * Assign the number 1 if the participant reported using the internet for telephoning/video calls
       (via webcam) over the internet at Wave 9
402    replace calls = 1 if scinacl==1 & wave==9
403    * Assign the number 1 if the participant reported using the internet for making video or voice calls
       at COVID Wave 1
404    replace calls = 1 if CvIntC02==1 & wave==10
405    * Assign the number 0 if the participant reported not using the internet for telephoning/video calls
       (via webcam) over the internet at Wave 9
406    replace calls = 0 if scinacl==0 & wave==9
407    * Assign the number 0 if the participant reported not using the internet for making video or voice
       calls at COVID Wave 1
408    replace calls = 0 if CvIntC02==0 & wave==10
409    * Health
410    * Generate a new variable
411    gen health = .
412    * Assign the number 1 if the participant reported using the internet for finding information on
       health-related issues
413    replace health = 1 if scinahe==1 & wave==9
414    replace health = 1 if CvIntC03==1 & wave==10
415    * Assign the number 0 if the participant reported not using the internet for finding information on
       health-related issues
416    replace health = 0 if scinahe==0 & wave==9
417    replace health = 0 if CvIntC03==0 & wave==10
418    * Entertainment
419    * Generate a new variable
420    gen entertainment = .
421    * Assign the number 1 if the participant reported using the internet for streaming/downloading live
       or on demand TV/radio (BBC iPlayer, 4OD, ITV Player, Demand 5), music (iTunes, Spotify), ebooks, or
       games at Wave 9
422    replace entertainment = 1 if (scinast==1 | scinagm==1) & wave==9
423    * Assign the number 1 if the participant reported using the internet for streaming TV/videos/radio
       (BBC iPlayer, Netflix, Amazon Prime, YouTube), listening to music (Spotify, Apple Music), playing
       online games, or reading ebooks at COVID Wave 1
424    replace entertainment = 1 if CvIntC08==1 & wave==10
425    * Assign the number 0 if the participant reported not using the internet for streaming/downloading
       live or on demand TV/radio (BBC iPlayer, 4OD, ITV Player, Demand 5), music (iTunes, Spotify),
       ebooks, or games at Wave 9
426    replace entertainment = 0 if (scinast==0 & scinagm==0) & wave==9
427    * Assign the number 0 if the participant reported not using the internet for streaming
       TV/videos/radio (BBC iPlayer, Netflix, Amazon Prime, YouTube), listening to music (Spotify, Apple
       Music), playing online games, or reading ebooks at COVID Wave 1
428    replace entertainment = 0 if CvIntC08==0 & wave==10
```

```stata
429    * News
430    * Generate a new variable
431    gen news = .
432    * Assign the number 1 if the participant reported using the internet for news/newspaper/blog websites
433    replace news = 1 if scinanw==1 & wave==9
434    replace news = 1 if CvIntC07==1 & wave==10
435    * Assign the number 0 if the participant reported not using the internet for reading
       news/newspaper/blog websites
436    replace news = 0 if scinanw==0 & wave==9
437    replace news = 0 if CvIntC07==0 & wave==10
438    * Market
439    * Generate a new variable
440    gen market = .
441    * Assign the number 1 if the participant reported using the internet for shopping/buying goods or
       services
442    replace market = 1 if scinash==1 & wave==9
443    replace market = 1 if CvIntC05==1 & wave==10
444    * Assign the number 0 if the participant reported not using the internet for shopping/buying goods
       or services
445    replace market = 0 if scinash==0 & wave==9
446    replace market = 0 if CvIntC05==0 & wave==10
447    * Social networking
448    * Generate a new variable
449    gen socialnetworking = .
450    * Assign the number 1 if the participant reported using the internet for social networking sites
       (Facebook, Twitter, MySpace), or creating, uploading, or sharing content (YouTube, blogging, or
       Flickr) at Wave 9
451    replace socialnetworking = 1 if (scinasn==1 | scinact==1) & wave==9
452    * Assign the number 1 if the participant reported using the internet for social networking sites at
       COVID Wave 1
453    replace socialnetworking = 1 if CvIntC06==1 & wave==10
454    * Assign the number 0 if the participant reported not using the internet for social networking sites
       (Facebook, Twitter, MySpace), or creating, uploading, or sharing content (YouTube, blogging, or
       Flickr) at Wave 9
455    replace socialnetworking = 0 if (scinasn==0 & scinact==0) & wave==9
456    * Assign the number 0 if the participant reported not using the internet for social networking sites
       at COVID Wave 1
457    replace socialnetworking = 0 if CvIntC06==0 & wave==10
458    * Internet transactions
459    * Generate a new variable
460    gen internettransactions = .
461    * Assign the number 1 if the participant reported using the internet for finances (banking, paying
       bills), or public services (e.g., obtaining benefits, paying taxes) at Wave 9
462    replace internettransactions = 1 if (scinabk==1 | scinaps==1) & wave==9
463    * Assign the number 1 if the participant reported using the internet for managing finances at COVID
       Wave 1
464    replace internettransactions = 1 if CvIntC04==1 & wave==10
465    * Assign the number 0 if the participant reported not using the internet for finances (banking,
       paying bills), or public services (e.g., obtaining benefits, paying taxes) at Wave 9
466    replace internettransactions = 0 if (scinabk==0 & scinaps==0) & wave==9
467    * Assign the number 0 if the participant reported not using the internet for managing finances at
       COVID Wave 1
468    replace internettransactions = 0 if CvIntC04==0 & wave==10
469
470    * Count total number of participants and observations
471    unique idauniq
472    * 6,187 individuals, 12,374 observations
473
474    * Dummy variables for conditional LCA and LTA models
475    * Education
476    * Medium education (i.e., school qualifications) (coded as 1) versus low (i.e., no formal
       qualifications) or high (i.e., higher education) education (coded as 0)
477    gen mediumed = 0 if inlist(educa_cons,0,2)
```

```
478   replace mediumed = 1 if educa_cons == 1
479   * High education (coded as 1) versus low or medium education (coded as 0)
480   gen highed = 0 if inlist(educa_cons,0,1)
481   replace highed = 1 if educa_cons == 2
482   * Occupational class
483   * Intermediate occupations (coded as 1) versus lower or higher occupations (coded as 0)
484   gen mediumocc = 0 if inlist(mynssec3_cons,0,2)
485   replace mediumocc = 1 if mynssec3_cons == 1
486   * Higher occupations (coded as 1) versus lower or intermediate occupations (coded as 0)
487   gen highocc = 0 if inlist(mynssec3_cons,0,1)
488   replace highocc = 1 if mynssec3_cons == 2
489   * Wealth
490   * 2nd quintile (coded as 1) versus 1st, 3rd, 4th, or 5th quintile (coded as 0)
491   gen quint2 = 0 if inlist(wealth_cons,1,3,4,5)
492   replace quint2 = 1 if wealth_cons == 2
493   * 3rd quintile (coded as 1) versus 1st, 2nd, 4th, or 5th quintile (coded as 0)
494   gen quint3 = 0 if inlist(wealth_cons,1,2,4,5)
495   replace quint3 = 1 if wealth_cons == 3
496   * 4th quintile (coded as 1) versus 1st, 2nd, 3rd, or 5th quintile (coded as 0)
497   gen quint4 = 0 if inlist(wealth_cons,1,2,3,5)
498   replace quint4 = 1 if wealth_cons == 4
499   * 5th quintile (coded as 1) versus 1st, 2nd, 3rd, or 4th quintile (coded as 0)
500   gen quint5 = 0 if inlist(wealth_cons,1,2,3,4)
501   replace quint5 = 1 if wealth_cons == 5
502
503   * Age continuous (Wave 9, COVID Wave 1)
504   gen agecont = indager if wave==9
505   replace agecont = Age_Arch if wave==10
506
507   * Time-constant age continuous - Wave 9
508   * Generate a new variable duplicating the categorical age variable at Wave 9
509   gen indager_cons = indager if wave==9
510   * Declare a panel dataset with participant ID "idauniq" and time variable "wave"
511   tsset idauniq wave
512   * Carryforward observations with respect to the time variable "wave" (i.e., from Wave 9 to COVID
        Wave 1) by participant ID
513   bysort idauniq: carryforward indager_cons, replace
514
515   * Save dataset with a new name
516   save datalongLCA.dta
517
518   ********************
519   ***DATA ANALYSIS***
520   ********************
521
522   * Keep necessary variables
523   keep idauniq Time mediumed highed mediumocc highocc quint2 quint3 quint4 quint5 indager_cons sex_cons
        Sex emails calls health entertainment news market socialnetworking internettransactions
524   * Save dataset with a new name
525   save LCAlongcov.dta
526   * Reshape data into wide format for observations identified by participant ID and add "Time" as an
        identifying time period
527   reshape wide Sex emails calls health entertainment news market socialnetworking internettransactions,
        j(Time) i(idauniq)
528   * Save dataset with a new name
529   save LCAwidecov.dta
530   * Rename time-varying variables to shorter forms and/or to distinguish the relevant time period
531   rename Sex0 SexTV0
532   rename entertainment0 enter0
533   rename socialnetworking0 social0
534   rename internettransactions0 transa0
535   rename Sex1 SexTV1
536   rename entertainment1 enter1
```

```
537    rename socialnetworking1 social1
538    rename internettransactions1 transa1
539    * Save dataset with a new name
540    save LCAwidenamescov.dta
541
542    * Use data in memory
543    use LCAwidenamescov.dta
544    * Keep if internet data are not missing at Wave 9
545    keep if emails0!=.
546    * Count total number of participants
547    unique idauniq
548    * 4,054 individuals
549    * Pearson's chi-squared test at Wave 9 (differences between male and female participants)
550    tab SexTV0 emails0, chi
551    tab SexTV0 calls0, chi
552    tab SexTV0 health0, chi
553    tab SexTV0 enter0, chi
554    tab SexTV0 news0, chi
555    tab SexTV0 market0, chi
556    tab SexTV0 social0, chi
557    tab SexTV0 transa0, chi
558    clear
559    * Use LCAwidenamescov.dta dataset
560    use LCAwidenamescov.dta
561    * Keep if internet data are not missing at COVID Wave 1
562    keep if emails1!=.
563    * Count total number of participants
564    unique idauniq
565    * 3,908 individuals
566    * Pearson's chi-squared test at COVID Wave 1 (differences between male and female participants)
567    tab SexTV1 emails1, chi
568    tab SexTV1 calls1, chi
569    tab SexTV1 health1, chi
570    tab SexTV1 enter1, chi
571    tab SexTV1 news1, chi
572    tab SexTV1 market1, chi
573    tab SexTV1 social1, chi
574    tab SexTV1 transa1, chi
575    clear
576
577    * Use LCAwidenamescov.dta dataset
578    use LCAwidenamescov.dta
579    * Keep if the participant is male
580    keep if sex_cons==0 | SexTV1==0
581    * Save dataset with a new name
582    save malewide2.dta
583    * Count total number of participants
584    unique idauniq
585    * 2,694 individuals
586    * Find the necessary package
587    search stata2mplus
588    * Convert Stata data into a data file and Mplus input file
589    stata2mplus using malewide2.dta
590
591    * Use LCAwidenamescov.dta dataset
592    use LCAwidenamescov.dta
593    * Keep if the participant is female
594    keep if sex_cons==1 | SexTV1==1
595    * Save dataset with a new name
596    save femalewide2.dta
597    * Count total number of participants
598    unique idauniq
599    * 3,493 individuals
```

```
600   * Convert Stata data into a data file and Mplus input file
601   stata2mplus using femalewide2.dta
602
603   * Import posterior probabilities of class membership following the unconditional 3-class LCA for
      male participants (pre-pandemic)
604   clear
605   import excel "", sheet("") firstrow
606   * Save dataset with a new name
607   save posteriormalec3t0.dta
608   * Import posterior probabilities of class membership following the unconditional 3-class LCA for
      male participants (intra-pandemic)
609   import excel "", sheet("") firstrow clear
610   * Save dataset with a new name
611   save posteriormalec3t1.dta
612
613   * Use male participant dataset with core variables included in analyses
614   use malewide2.dta
615   * One-to-one merge of data in memory with posteriormalec3t0.dta on participant ID
616   merge 1:1 idauniq using posteriormalec3t0.dta, generate (merge_posc3t0)
617   * Sort from lowest to highest participant ID
618   sort idauniq
619   * One-to-one merge of data in memory with posteriormalec3t1.dta on participant ID
620   merge 1:1 idauniq using posteriormalec3t1.dta, generate (merge_posc3t1)
621   * Sort from lowest to highest participant ID
622   sort idauniq
623   * Drop unnecessary variables
624   drop merge_posc3t0 merge_posc3t1
625   * Save dataset with a new name
626   save LCAmalecross.dta
627
628   * Re-order classes
629   gen classnew0 = .
630   replace classnew0 = 1 if class0==3
631   replace classnew0 = 2 if class0==2
632   replace classnew0 = 3 if class0==1
633   gen classnew1 = .
634   replace classnew1 = 1 if class1==2
635   replace classnew1 = 2 if class1==3
636   replace classnew1 = 3 if class1==1
637   * 1: Low
638   * 2: Medium
639   * 3: High
640   * Overwrite dataset, by replacing the previously saved file
641   save LCAmalecross.dta, replace
642
643   * Produce a two-way table of frequency counts (preliminary cross-classification tables)
644   tabulate classnew0 classnew1
645   tab classnew0 if classnew0!=. & classnew1!=.
646   tab classnew1 if classnew0!=. & classnew1!=.
647
648   * Use full dataset
649   use datalongLCA.dta
650   * Keep observations at baseline
651   keep if wave==9
652   * Save dataset with a new name
653   save demographw9.dta
654
655   * Descriptive statistics for the total male sample and stratified by class membership (pre-pandemic)
656   * Use complete male participant dataset
657   use LCAmalecross.dta
658   * One-to-one merge of data in memory with demographw9.dta on participant ID
659   merge 1:1 idauniq using demographw9.dta, generate (merge_demograph)
660   * Sort from lowest to highest participant ID
```

```
661    sort idauniq
662    * Keep data from the participants included in the unconditional LCA at pre-pandemic
663    keep if classnew0!=.
664    * Count total number of participants
665    unique idauniq
666    * 1,819 individuals
667    replace dimarr = . if dimarr<0
668    replace dimarr = 4 if dimarr==5
669    replace dimarr = 5 if dimarr==6
670    sum indager
671    tab age_cat
672    tab fqethnmr
673    tab dimarr
674    tab wpdes
675    save maledescw9.dta
676    tab hhtot
677    tab edqual
678    tab educa_cons
679    tab mynssec3_cons
680    tab wealth_cons
681    tab frequency
682    tab limiting
683    tab limiting_cons
684
685    sum indager_cons if classnew0==1
686    tab age_cat if classnew0==1
687    tab fqethnmr if classnew0==1
688    tab dimarr if classnew0==1
689    tab wpdes if classnew0==1
690    tab hhtot if classnew0==1
691    tab educa_cons if classnew0==1
692    tab mynssec3_cons if classnew0==1
693    tab wealth_cons if classnew0==1
694    tab frequency if classnew0==1
695    tab limiting if classnew0==1
696    tab limiting_cons if classnew0==1
697
698    sum indager_cons if classnew0==2
699    tab age_cat if classnew0==2
700    tab fqethnmr if classnew0==2
701    tab dimarr if classnew0==2
702    tab wpdes if classnew0==2
703    tab hhtot if classnew0==2
704    tab educa_cons if classnew0==2
705    tab mynssec3_cons if classnew0==2
706    tab wealth_cons if classnew0==2
707    tab frequency if classnew0==2
708    tab limiting if classnew0==2
709    tab limiting_cons if classnew0==2
710
711    sum indager_cons if classnew0==3
712    tab age_cat if classnew0==3
713    tab fqethnmr if classnew0==3
714    tab dimarr if classnew0==3
715    tab wpdes if classnew0==3
716    tab hhtot if classnew0==3
717    tab educa_cons if classnew0==3
718    tab mynssec3_cons if classnew0==3
719    tab wealth_cons if classnew0==3
720    tab frequency if classnew0==3
721    tab limiting if classnew0==3
722    tab limiting_cons if classnew0==3
723
```

```stata
724    use datalongLCA.dta
725
726    * Time-constant marital status - Wave 9
727    * Generate a new variable duplicating the marital status variable at Wave 9
728    gen marital_cons = dimarr if wave==9
729    * Declare a panel dataset with participant ID "idauniq" and time variable "wave"
730    tsset idauniq wave
731    * Carryforward observations with respect to the time variable "wave" (i.e., from Wave 9 to COVID
       Wave 1) by participant ID
732    bysort idauniq: carryforward marital_cons, replace
733
734    * Time-constant ethnicity - Wave 9
735    * Generate a new variable duplicating the ethnicity variable at Wave 9
736    gen ethnicity_cons = fqethnmr if wave==9
737    * Declare a panel dataset with participant ID "idauniq" and time variable "wave"
738    tsset idauniq wave
739    * Carryforward observations with respect to the time variable "wave" (i.e., from Wave 9 to COVID
       Wave 1) by participant ID
740    bysort idauniq: carryforward ethnicity_cons, replace
741
742    save datalongLCA.dta, replace
743
744    * Use full dataset
745    use datalongLCA.dta
746    * Keep observations at follow-up
747    keep if wave==10
748    * Save dataset with a new name
749    save demographcw1.dta
750
751    * Descriptive statistics for the total male sample and stratified by class membership (intra-pandemic)
752    * Use complete male participant dataset
753    use LCAmalecross.dta
754    * One-to-one merge of data in memory with demographcw1.dta on participant ID
755    merge 1:1 idauniq using demographcw1.dta, generate (merge_demograph)
756    * Sort from lowest to highest participant ID
757    sort idauniq
758    * Keep data from the participants included in the unconditional LCA at intra-pandemic
759    keep if classnew1!=.
760    * Count total number of participants
761    unique idauniq
762    * 1,750 individuals
763    sum Age_Arch
764    tab age_cat
765    tab Ethnicity_arch
766    tab RelStat
767    tab marital_cons
768    replace marital_cons = . if marital_cons<0
769    tab RelStat if marital_cons==.
770    gen relcw1 = marital_cons
771    replace relcw1 = 1 if RelStat == 8 & marital_cons==.
772    replace relcw1 = 2 if inlist(RelStat,1,3,4) & marital_cons==.
773    replace relcw1 = 4 if inlist(RelStat,5,6) & marital_cons==.
774    replace relcw1 = 4 if marital_cons==5
775    replace relcw1 = 5 if marital_cons==6
776    replace relcw1 = 5 if RelStat == 7 & marital_cons==.
777    tab CvPstd
778    save maledescw10.dta
779    tab CvNumP
780    tab educa_cons
781    tab mynssec3_cons
782    tab wealth_cons
783    tab frequency
784    tab limiting_cons
```

```stata
785
786    sum Age_Arch if classnew1==1
787    tab age_cat if classnew1==1
788    tab Ethnicity_arch if classnew1==1
789    tab relcw1 if classnew1==1
790    tab CvPstd if classnew1==1
791    tab CvNumP if classnew1==1
792    tab educa_cons if classnew1==1
793    tab mynssec3_cons if classnew1==1
794    tab wealth_cons if classnew1==1
795    tab frequency if classnew1==1
796    tab limiting_cons if classnew1==1
797
798    sum Age_Arch if classnew1==2
799    tab age_cat if classnew1==2
800    tab Ethnicity_arch if classnew1==2
801    tab relcw1 if classnew1==2
802    tab CvPstd if classnew1==2
803    tab CvNumP if classnew1==2
804    tab educa_cons if classnew1==2
805    tab mynssec3_cons if classnew1==2
806    tab wealth_cons if classnew1==2
807    tab frequency if classnew1==2
808    tab limiting_cons if classnew1==2
809
810    sum Age_Arch if classnew1==3
811    tab age_cat if classnew1==3
812    tab Ethnicity_arch if classnew1==3
813    tab relcw1 if classnew1==3
814    tab CvPstd if classnew1==3
815    tab CvNumP if classnew1==3
816    tab educa_cons if classnew1==3
817    tab mynssec3_cons if classnew1==3
818    tab wealth_cons if classnew1==3
819    tab frequency if classnew1==3
820    tab limiting_cons if classnew1==3
821
822    * Import posterior probabilities of class membership following the unconditional 3-class LCA for
       female participants (pre-pandemic)
823    clear
824    import excel "", sheet("") firstrow clear
825    * Save dataset with a new name
826    save posteriorfemalec3t0.dta
827    * Import posterior probabilities of class membership following the unconditional 2-class LCA for
       female participants (intra-pandemic)
828    import excel "", sheet("") firstrow clear
829    * Save dataset with a new name
830    save posteriorfemalec2t1.dta
831
832    * Use female participant dataset with core variables included in analyses
833    use femalewide2.dta
834    * One-to-one merge of data in memory with posteriorfemalec3t0.dta on participant ID
835    merge 1:1 idauniq using posteriorfemalec3t0.dta, generate (merge_posc3t0)
836    * Sort from lowest to highest participant ID
837    sort idauniq
838    * One-to-one merge of data in memory with posteriorfemalec3t1.dta on participant ID
839    merge 1:1 idauniq using posteriorfemalec2t1.dta, generate (merge_posc2t1)
840    * Sort from lowest to highest participant ID
841    sort idauniq
842    * Drop unnecessary variables
843    drop merge_posc3t0 merge_posc2t1
844    * Save dataset with a new name
845    save LCAfemalecross.dta
```

```
846
847    * Re-order classes
848    gen classnew0 = .
849    replace classnew0 = 1 if class0==2
850    replace classnew0 = 2 if class0==3
851    replace classnew0 = 3 if class0==1
852    gen classnew1 = .
853    replace classnew1 = 1 if class1==2
854    replace classnew1 = 2 if class1==1
855    * 1: Low
856    * 2: Medium
857    * 3: High
858    * Overwrite dataset, by replacing the previously saved file
859    save LCAfemalecross.dta, replace
860
861    * Produce a two-way table of frequency counts (preliminary cross-classification tables)
862    tabulate classnew0 classnew1
863    tab classnew0 if classnew0!=. & classnew1!=.
864    tab classnew1 if classnew0!=. & classnew1!=.
865
866    * Descriptive statistics for the total female sample and stratified by class membership (pre-pandemic)
867    * Use complete female participant dataset
868    use LCAfemalecross.dta
869    * One-to-one merge of data in memory with demographw9.dta on participant ID
870    merge 1:1 idauniq using demographw9.dta, generate (merge_demograph)
871    * Sort from lowest to highest participant ID
872    sort idauniq
873    * Keep data from the participants included in the unconditional LCA at pre-pandemic
874    keep if classnew0!=.
875    * Count total number of participants
876    unique idauniq
877    * 2,235 individuals
878    replace dimarr = . if dimarr<0
879    replace dimarr = 4 if dimarr==5
880    replace dimarr = 5 if dimarr==6
881    sum indager
882    tab age_cat
883    tab fqethnmr
884    tab dimarr
885    tab wpdes
886    save femaledescw9.dta
887    tab hhtot
888    tab edqual
889    tab educa_cons
890    tab mynssec3_cons
891    tab wealth_cons
892    tab frequency
893    tab limiting
894    tab limiting_cons
895
896    sum indager_cons if classnew0==1
897    tab age_cat if classnew0==1
898    tab fqethnmr if classnew0==1
899    tab dimarr if classnew0==1
900    tab wpdes if classnew0==1
901    tab hhtot if classnew0==1
902    tab educa_cons if classnew0==1
903    tab mynssec3_cons if classnew0==1
904    tab wealth_cons if classnew0==1
905    tab frequency if classnew0==1
906    tab limiting if classnew0==1
907    tab limiting_cons if classnew0==1
908
```

```
909     sum indager_cons if classnew0==2
910     tab age_cat if classnew0==2
911     tab fqethnmr if classnew0==2
912     tab dimarr if classnew0==2
913     tab wpdes if classnew0==2
914     tab hhtot if classnew0==2
915     tab educa_cons if classnew0==2
916     tab mynssec3_cons if classnew0==2
917     tab wealth_cons if classnew0==2
918     tab frequency if classnew0==2
919     tab limiting if classnew0==2
920     tab limiting_cons if classnew0==2
921
922     sum indager_cons if classnew0==3
923     tab age_cat if classnew0==3
924     tab fqethnmr if classnew0==3
925     tab dimarr if classnew0==3
926     tab wpdes if classnew0==3
927     tab hhtot if classnew0==3
928     tab educa_cons if classnew0==3
929     tab mynssec3_cons if classnew0==3
930     tab wealth_cons if classnew0==3
931     tab frequency if classnew0==3
932     tab limiting if classnew0==3
933     tab limiting_cons if classnew0==3
934
935     * Descriptive statistics for the total female sample and stratified by class membership
        (intra-pandemic)
936     * Use complete female participant dataset
937     use LCAfemalecross.dta
938     * One-to-one merge of data in memory with demographcw1.dta on participant ID
939     merge 1:1 idauniq using demographcw1.dta, generate (merge_demograph)
940     * Sort from lowest to highest participant ID
941     sort idauniq
942     * Keep data from the participants included in the unconditional LCA at intra-pandemic
943     keep if classnew1!=.
944     * Count total number of participants
945     unique idauniq
946     * 2,158 individuals
947     sum Age_Arch
948     tab age_cat
949     tab Ethnicity_arch
950     tab RelStat
951     tab marital_cons
952     replace marital_cons = . if marital_cons<0
953     tab RelStat if marital_cons==.
954     gen relcw1 = marital_cons
955     replace relcw1 = 1 if RelStat == 8 & marital_cons==.
956     replace relcw1 = 2 if inlist(RelStat,1,2,3,4) & marital_cons==.
957     replace relcw1 = 4 if inlist(RelStat,5,6) & marital_cons==.
958     replace relcw1 = 4 if marital_cons==5
959     replace relcw1 = 5 if marital_cons==6
960     replace relcw1 = 5 if RelStat == 7 & marital_cons==.
961     tab CvPstd
962     save femaledescw10.dta
963     tab CvNumP
964     tab educa_cons
965     tab mynssec3_cons
966     tab wealth_cons
967     tab frequency
968     tab limiting_cons
969
970     sum Age_Arch if classnew1==1
```

```
971    tab age_cat if classnew1==1
972    tab Ethnicity_arch if classnew1==1
973    tab relcw1 if classnew1==1
974    tab CvPstd if classnew1==1
975    tab CvNumP if classnew1==1
976    tab educa_cons if classnew1==1
977    tab mynssec3_cons if classnew1==1
978    tab wealth_cons if classnew1==1
979    tab frequency if classnew1==1
980    tab limiting_cons if classnew1==1
981
982    sum Age_Arch if classnew1==2
983    tab age_cat if classnew1==2
984    tab Ethnicity_arch if classnew1==2
985    tab relcw1 if classnew1==2
986    tab CvPstd if classnew1==2
987    tab CvNumP if classnew1==2
988    tab educa_cons if classnew1==2
989    tab mynssec3_cons if classnew1==2
990    tab wealth_cons if classnew1==2
991    tab frequency if classnew1==2
992    tab limiting_cons if classnew1==2
```