```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
```

```stata
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    * Check participant counts in each category
181    tab frequency
182    * Coding of final internet frequency variable:
183    * 0: Never
184    * 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)
185    * 2: Moderate frequency (At least once a week, but not every day)
186    * 3: High frequency (More than once a day/Every day, or almost every day)
187
188    * Highest Educational Qualification (Wave 9)
189    * Excluded foreign/other
190    * Replace variable as missing for any missing cases (coded as negative numbers in the ELSA dataset)
191    replace edqual = . if edqual<0
192    * Check participant counts in each category at Wave 9
193    tab edqual if wave==9
194    * Generate a new variable
195    gen educanew = .
196    * Assign the number 0 if the participant does not have any formal qualifications
197    replace educanew = 0 if edqual == 7
198    * Assign the number 1 if the participant has A level equivalent, O level equivalent, or other grade
       equivalent
199    replace educanew = 1 if inlist(edqual,3,4,5)
200    * Assign the number 2 if the participant has completed some higher education (below degree), or has
       a degree or equivalent
201    replace educanew = 2 if inlist(edqual,1,2)
202    * Coding of final education variable:
203    * 0: No formal qualifications
204    * 1: School qualifications
205    * 2: Higher education
```

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206
207     * NS-SEC 8 and 3 category classification (Wave 9)
208     * Excluded Never worked and long-term unemployed
209     * Replace variables as missing for any missing cases (coded as negative numbers or 99 in the ELSA
        dataset)
210     * Check participant counts in each category at Wave 9
211     tab nssec8
212     replace nssec8 = . if nssec8<0
213     replace nssec8 = . if nssec8 == 99
214     replace nssec3 = . if nssec3<0
215     replace nssec3 = . if nssec3 == 99
216     tab nssec8
217     * Generate a new variable
218     gen mynssec3 = .
219     * 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
220     replace mynssec3 = 2 if inlist(nssec8,1,2)
221     * 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
222     replace mynssec3 = 1 if inlist(nssec8,3,4)
223     * 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
224     replace mynssec3 = 0 if inlist(nssec8,5,6,7)
225     * Coding of final occupational class variable:
226     * 0: Lower occupations
227     * 1: Intermediate occupations
228     * 2: Higher occupations
229
230     * Quintiles of BU total (non-pension) wealth (Wave 9)
231     * Replace variable as missing for any missing cases (coded as negative numbers in the ELSA dataset)
232     replace totwq5_bu_s = . if totwq5_bu_s<0
233     * Coding of final wealth variable:
234     * 1: 1st quintile (lowest)
235     * 2: 2nd quintile
236     * 3: 3rd quintile
237     * 4: 4th quintile
238     * 5: 5th quintile (highest)
239
240     * Biological sex (Wave 9, COVID Wave 1)
241     * Replace variable as missing for any missing cases (coded as negative numbers in the ELSA dataset)
242     replace Sex = . if Sex<0
243     * Assign the number 0 if the participant is male
244     replace Sex = 0 if Sex == 1
245     * Assign the number 1 if the participant is female
246     replace Sex = 1 if Sex == 2
247     * Coding of the final biological sex variable:
248     * 0: Male, 1: Female
249
250     * Ethnicity (Wave 9, COVID Wave 1)
251     * Wave 9
252     * Replace variable as missing for any missing cases (coded as negative numbers in the ELSA dataset)
253     replace fqethnmr = . if fqethnmr<0
254     * Assign the number 0 if the participant is White
255     replace fqethnmr = 0 if fqethnmr == 1
256     * Assign the number 1 if the participant is Non-White
257     replace fqethnmr = 1 if fqethnmr == 2
258     * COVID Wave 1
259     * Assign the number 0 if the participant is Non-BAME
260     replace Ethnicity_arch = 0 if Ethnicity_arch == 1
261     * Assign the number 1 if the participant is BAME
262     replace Ethnicity_arch = 1 if Ethnicity_arch == 2
263     * Coding of the final ethnicity variable:
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264    * 0: White, 1: Non-White
265
266    * Current employment situation (Wave 9, COVID Wave 1)
267    * Replace variables as missing for any missing cases (coded as negative numbers in the ELSA dataset)
268    replace wpdes = . if wpdes<0
269    replace CvPstd = . if CvPstd<0
270
271    * Number of people in household (Wave 9, COVID Wave 1)
272    * Wave 9
273    * Replace variable as missing for any missing cases (coded as negative numbers or 0 in the ELSA
       dataset)
274    replace hhtot = . if hhtot<0
275    replace hhtot = . if hhtot==0
276    * Assign the number 0 if one person lives in household
277    replace hhtot = 0 if hhtot==1
278    * Assign the number 1 if more than one person lives in household
279    replace hhtot = 1 if hhtot>1 & hhtot != .
280    * COVID Wave 1
281    * Replace variable as missing for any missing cases (coded as negative numbers or 0 in the ELSA
       dataset)
282    replace CvNumP = . if CvNumP<0
283    * Assign the number 0 if one person lives in household
284    replace CvNumP = 0 if CvNumP==1
285    * Assign the number 1 if more than one person lives in household
286    replace CvNumP = 1 if CvNumP>1 & CvNumP != .
287    * Coding of the final living status variable:
288    * 0: Living alone, 1: Not living alone
289
290    * Age categorical (Wave 9, COVID Wave 1)
291    * Generate a new variable
292    gen age_cat = .
293    * Assign the number 0 for participants aged 60-69 years at Wave 9
294    replace age_cat = 0 if indager >= 60 & indager <= 69
295    * Assign the number 1 for participants aged 70-79 years at Wave 9
296    replace age_cat = 1 if indager >= 70 & indager <= 79
297    * Assign the number 2 for participants aged 80+ years at Wave 9 and without missing age data
298    replace age_cat = 2 if indager >= 80 & indager != .
299    * Assign the number 0 for participants aged 60-69 years at COVID Wave 1
300    replace age_cat = 0 if Age_Arch >= 60 & Age_Arch <= 69
301    * Assign the number 1 for participants aged 70-79 years at COVID Wave 1
302    replace age_cat = 1 if Age_Arch >= 70 & Age_Arch <= 79
303    * Assign the number 2 for participants aged 80+ years at COVID Wave 1 and without missing age data
304    replace age_cat = 2 if Age_Arch >= 80 & Age_Arch != .
305    * Coding of the final categorical age variable:
306    * 0: 60-69 years
307    * 1: 70-79 years
308    * 2: 80+ years
309
310    * Limiting long-standing illness (Wave 9)
311    * 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
312    gen limiting = 0 if heill == 2 | helim == 2
313    * Assign the number 1 for participants with a limiting long-standing illness
314    replace limiting = 1 if helim == 1
315    * Coding of the final limiting long-standing illness variable:
316    * 0: No long-standing illness or not limiting, 1: Limiting long-standing illness
317
318    * Save dataset with a new name
319    save data01LCA.dta
320
321    * Time-constant education - Wave 9
322    * Generate a new variable duplicating the education variable at Wave 9
323    gen educa_cons = educanew if wave==9
```

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

```
380    * Time variable
381    * Generate a new variable
382    gen Time = .
383    * Assign the number 0 for observations at Wave 9
384    replace Time = 0 if wave==9
385    * Assign the number 1 for observations at COVID Wave 1
386    replace Time = 1 if wave==10
387    * Coding of the final time variable:
388    * 0: Wave 9, 1: COVID Wave 1
389
390    * Activities respondent used internet for in last 3 months (Wave 9, COVID Wave 1)
391    * Emails
392    * Generate a new variable
393    gen emails = .
394    * Assign the number 1 if the participant reported using the internet for sending/receiving emails
395    replace emails = 1 if scinaem==1 & wave==9
396    replace emails = 1 if CvIntC01==1 & wave==10
397    * Assign the number 0 if the participant reported not using the internet for sending/receiving emails
398    replace emails = 0 if scinaem==0 & wave==9
399    replace emails = 0 if CvIntC01==0 & wave==10
400    * Calls
401    * Generate a new variable
402    gen calls = .
403    * Assign the number 1 if the participant reported using the internet for telephoning/video calls
       (via webcam) over the internet at Wave 9
404    replace calls = 1 if scinacl==1 & wave==9
405    * Assign the number 1 if the participant reported using the internet for making video or voice calls
       at COVID Wave 1
406    replace calls = 1 if CvIntC02==1 & wave==10
407    * Assign the number 0 if the participant reported not using the internet for telephoning/video calls
       (via webcam) over the internet at Wave 9
408    replace calls = 0 if scinacl==0 & wave==9
409    * Assign the number 0 if the participant reported not using the internet for making video or voice
       calls at COVID Wave 1
410    replace calls = 0 if CvIntC02==0 & wave==10
411    * Health
412    * Generate a new variable
413    gen health = .
414    * Assign the number 1 if the participant reported using the internet for finding information on
       health-related issues
415    replace health = 1 if scinahe==1 & wave==9
416    replace health = 1 if CvIntC03==1 & wave==10
417    * Assign the number 0 if the participant reported not using the internet for finding information on
       health-related issues
418    replace health = 0 if scinahe==0 & wave==9
419    replace health = 0 if CvIntC03==0 & wave==10
420    * Entertainment
421    * Generate a new variable
422    gen entertainment = .
423    * 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
424    replace entertainment = 1 if (scinast==1 | scinagm==1) & wave==9
425    * 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
426    replace entertainment = 1 if CvIntC08==1 & wave==10
427    * 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
428    replace entertainment = 0 if (scinast==0 & scinagm==0) & wave==9
429    * 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
```

```stata
        Music), playing online games, or reading ebooks at COVID Wave 1
430     replace entertainment = 0 if CvIntC08==0 & wave==10
431     * News
432     * Generate a new variable
433     gen news = .
434     * Assign the number 1 if the participant reported using the internet for news/newspaper/blog websites
435     replace news = 1 if scinanw==1 & wave==9
436     replace news = 1 if CvIntC07==1 & wave==10
437     * Assign the number 0 if the participant reported not using the internet for reading
        news/newspaper/blog websites
438     replace news = 0 if scinanw==0 & wave==9
439     replace news = 0 if CvIntC07==0 & wave==10
440     * Market
441     * Generate a new variable
442     gen market = .
443     * Assign the number 1 if the participant reported using the internet for shopping/buying goods or
        services
444     replace market = 1 if scinash==1 & wave==9
445     replace market = 1 if CvIntC05==1 & wave==10
446     * Assign the number 0 if the participant reported not using the internet for shopping/buying goods
        or services
447     replace market = 0 if scinash==0 & wave==9
448     replace market = 0 if CvIntC05==0 & wave==10
449     * Social networking
450     * Generate a new variable
451     gen socialnetworking = .
452     * 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
453     replace socialnetworking = 1 if (scinasn==1 | scinact==1) & wave==9
454     * Assign the number 1 if the participant reported using the internet for social networking sites at
        COVID Wave 1
455     replace socialnetworking = 1 if CvIntC06==1 & wave==10
456     * 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
457     replace socialnetworking = 0 if (scinasn==0 & scinact==0) & wave==9
458     * Assign the number 0 if the participant reported not using the internet for social networking sites
        at COVID Wave 1
459     replace socialnetworking = 0 if CvIntC06==0 & wave==10
460     * Internet transactions
461     * Generate a new variable
462     gen internettransactions = .
463     * 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
464     replace internettransactions = 1 if (scinabk==1 | scinaps==1) & wave==9
465     * Assign the number 1 if the participant reported using the internet for managing finances at COVID
        Wave 1
466     replace internettransactions = 1 if CvIntC04==1 & wave==10
467     * 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
468     replace internettransactions = 0 if (scinabk==0 & scinaps==0) & wave==9
469     * Assign the number 0 if the participant reported not using the internet for managing finances at
        COVID Wave 1
470     replace internettransactions = 0 if CvIntC04==0 & wave==10
471
472     * Count total number of participants and observations
473     unique idauniq
474     * 6,187 individuals, 12,374 observations
475
476     * Dummy variables for conditional LCA and LTA models
477     * Education
478     * 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)
479     gen mediumed = 0 if inlist(educa_cons,0,2)
480     replace mediumed = 1 if educa_cons == 1
481     * High education (coded as 1) versus low or medium education (coded as 0)
482     gen highed = 0 if inlist(educa_cons,0,1)
483     replace highed = 1 if educa_cons == 2
484     * Occupational class
485     * Intermediate occupations (coded as 1) versus lower or higher occupations (coded as 0)
486     gen mediumocc = 0 if inlist(mynssec3_cons,0,2)
487     replace mediumocc = 1 if mynssec3_cons == 1
488     * Higher occupations (coded as 1) versus lower or intermediate occupations (coded as 0)
489     gen highocc = 0 if inlist(mynssec3_cons,0,1)
490     replace highocc = 1 if mynssec3_cons == 2
491     * Wealth
492     * 2nd quintile (coded as 1) versus 1st, 3rd, 4th, or 5th quintile (coded as 0)
493     gen quint2 = 0 if inlist(wealth_cons,1,3,4,5)
494     replace quint2 = 1 if wealth_cons == 2
495     * 3rd quintile (coded as 1) versus 1st, 2nd, 4th, or 5th quintile (coded as 0)
496     gen quint3 = 0 if inlist(wealth_cons,1,2,4,5)
497     replace quint3 = 1 if wealth_cons == 3
498     * 4th quintile (coded as 1) versus 1st, 2nd, 3rd, or 5th quintile (coded as 0)
499     gen quint4 = 0 if inlist(wealth_cons,1,2,3,5)
500     replace quint4 = 1 if wealth_cons == 4
501     * 5th quintile (coded as 1) versus 1st, 2nd, 3rd, or 4th quintile (coded as 0)
502     gen quint5 = 0 if inlist(wealth_cons,1,2,3,4)
503     replace quint5 = 1 if wealth_cons == 5
504
505     * Age continuous (Wave 9, COVID Wave 1)
506     gen agecont = indager if wave==9
507     replace agecont = Age_Arch if wave==10
508
509     * Time-constant age continuous - Wave 9
510     * Generate a new variable duplicating the categorical age variable at Wave 9
511     gen indager_cons = indager if wave==9
512     * Declare a panel dataset with participant ID "idauniq" and time variable "wave"
513     tsset idauniq wave
514     * Carryforward observations with respect to the time variable "wave" (i.e., from Wave 9 to COVID
        Wave 1) by participant ID
515     bysort idauniq: carryforward indager_cons, replace
516
517     * Save dataset with a new name
518     save datalongLCA.dta
519
520     ******************
521     ***DATA ANALYSIS***
522     ******************
523
524     * Keep necessary variables
525     keep idauniq Time mediumed highed mediumocc highocc quint2 quint3 quint4 quint5 indager_cons sex_cons
         Sex emails calls health entertainment news market socialnetworking internettransactions
526     * Save dataset with a new name
527     save LCAlongcov.dta
528     * Reshape data into wide format for observations identified by participant ID and add "Time" as an
        identifying time period
529     reshape wide Sex emails calls health entertainment news market socialnetworking internettransactions,
         j(Time) i(idauniq)
530     * Save dataset with a new name
531     save LCAwidecov.dta
532     * Rename time-varying variables to shorter forms and/or to distinguish the relevant time period
533     rename Sex0 SexTV0
534     rename entertainment0 enter0
535     rename socialnetworking0 social0
536     rename internettransactions0 transa0
```

```
537    rename Sex1 SexTV1
538    rename entertainment1 enter1
539    rename socialnetworking1 social1
540    rename internettransactions1 transa1
541    * Save dataset with a new name
542    save LCAwidenamescov.dta
543
544    * Use data in memory
545    use LCAwidenamescov.dta
546    * Keep if internet data are not missing at Wave 9
547    keep if emails0!=.
548    * Count total number of participants
549    unique idauniq
550    * 4,054 individuals
551    * Pearson's chi-squared test at Wave 9 (differences between male and female participants)
552    tab SexTV0 emails0, chi
553    tab SexTV0 calls0, chi
554    tab SexTV0 health0, chi
555    tab SexTV0 enter0, chi
556    tab SexTV0 news0, chi
557    tab SexTV0 market0, chi
558    tab SexTV0 social0, chi
559    tab SexTV0 transa0, chi
560    clear
561    * Use LCAwidenamescov.dta dataset
562    use LCAwidenamescov.dta
563    * Keep if internet data are not missing at COVID Wave 1
564    keep if emails1!=.
565    * Count total number of participants
566    unique idauniq
567    * 3,908 individuals
568    * Pearson's chi-squared test at COVID Wave 1 (differences between male and female participants)
569    tab SexTV1 emails1, chi
570    tab SexTV1 calls1, chi
571    tab SexTV1 health1, chi
572    tab SexTV1 enter1, chi
573    tab SexTV1 news1, chi
574    tab SexTV1 market1, chi
575    tab SexTV1 social1, chi
576    tab SexTV1 transa1, chi
577    clear
578
579    * Use LCAwidenamescov.dta dataset
580    use LCAwidenamescov.dta
581    * Keep if the participant is male
582    keep if sex_cons==0 | SexTV1==0
583    * Save dataset with a new name
584    save malewide2.dta
585    * Count total number of participants
586    unique idauniq
587    * 2,694 individuals
588    * Find the necessary package
589    search stata2mplus
590    * Convert Stata data into a data file and Mplus input file
591    stata2mplus using malewide2.dta
592
593    * Use LCAwidenamescov.dta dataset
594    use LCAwidenamescov.dta
595    * Keep if the participant is female
596    keep if sex_cons==1 | SexTV1==1
597    * Save dataset with a new name
598    save femalewide2.dta
599    * Count total number of participants
```

```
600    unique idauniq
601    * 3,493 individuals
602    * Convert Stata data into a data file and Mplus input file
603    stata2mplus using femalewide2.dta
604
605    * Import posterior probabilities of class membership following the unconditional 3-class LCA for
       male participants (pre-pandemic)
606    clear
607    import excel "", sheet("") firstrow
608    * Save dataset with a new name
609    save posteriormalec3t0.dta
610    * Import posterior probabilities of class membership following the unconditional 3-class LCA for
       male participants (intra-pandemic)
611    import excel "", sheet("") firstrow clear
612    * Save dataset with a new name
613    save posteriormalec3t1.dta
614
615    * Use male participant dataset with core variables included in analyses
616    use malewide2.dta
617    * One-to-one merge of data in memory with posteriormalec3t0.dta on participant ID
618    merge 1:1 idauniq using posteriormalec3t0.dta, generate (merge_posc3t0)
619    * Sort from lowest to highest participant ID
620    sort idauniq
621    * One-to-one merge of data in memory with posteriormalec3t1.dta on participant ID
622    merge 1:1 idauniq using posteriormalec3t1.dta, generate (merge_posc3t1)
623    * Sort from lowest to highest participant ID
624    sort idauniq
625    * Drop unnecessary variables
626    drop merge_posc3t0 merge_posc3t1
627    * Save dataset with a new name
628    save LCAmalecross.dta
629
630    * Re-order classes
631    gen classnew0 = .
632    replace classnew0 = 1 if class0==3
633    replace classnew0 = 2 if class0==2
634    replace classnew0 = 3 if class0==1
635    gen classnew1 = .
636    replace classnew1 = 1 if class1==2
637    replace classnew1 = 2 if class1==3
638    replace classnew1 = 3 if class1==1
639    * 1: Low
640    * 2: Medium
641    * 3: High
642    * Overwrite dataset, by replacing the previously saved file
643    save LCAmalecross.dta, replace
644
645    * Produce a two-way table of frequency counts (preliminary cross-classification tables)
646    tabulate classnew0 classnew1
647    tab classnew0 if classnew0!=. & classnew1!=.
648    tab classnew1 if classnew0!=. & classnew1!=.
649
650    * Use full dataset
651    use datalongLCA.dta
652    * Keep observations at baseline
653    keep if wave==9
654    * Save dataset with a new name
655    save demographw9.dta
656
657    * Descriptive statistics for the total male sample and stratified by class membership (pre-pandemic)
658    * Use complete male participant dataset
659    use LCAmalecross.dta
660    * One-to-one merge of data in memory with demographw9.dta on participant ID
```

```stata
661    merge 1:1 idauniq using demographw9.dta, generate (merge_demograph)
662    * Sort from lowest to highest participant ID
663    sort idauniq
664    * Keep data from the participants included in the unconditional LCA at pre-pandemic
665    keep if classnew0!=.
666    * Count total number of participants
667    unique idauniq
668    * 1,819 individuals
669    replace dimarr = . if dimarr<0
670    replace dimarr = 4 if dimarr==5
671    replace dimarr = 5 if dimarr==6
672    sum indager
673    tab age_cat
674    tab fqethnmr
675    tab dimarr
676    tab wpdes
677    save maledescw9.dta
678    tab hhtot
679    tab edqual
680    tab educa_cons
681    tab mynssec3_cons
682    tab wealth_cons
683    tab frequency
684    tab limiting
685    tab limiting_cons
686
687    sum indager_cons if classnew0==1
688    tab age_cat if classnew0==1
689    tab fqethnmr if classnew0==1
690    tab dimarr if classnew0==1
691    tab wpdes if classnew0==1
692    tab hhtot if classnew0==1
693    tab educa_cons if classnew0==1
694    tab mynssec3_cons if classnew0==1
695    tab wealth_cons if classnew0==1
696    tab frequency if classnew0==1
697    tab limiting if classnew0==1
698    tab limiting_cons if classnew0==1
699
700    sum indager_cons if classnew0==2
701    tab age_cat if classnew0==2
702    tab fqethnmr if classnew0==2
703    tab dimarr if classnew0==2
704    tab wpdes if classnew0==2
705    tab hhtot if classnew0==2
706    tab educa_cons if classnew0==2
707    tab mynssec3_cons if classnew0==2
708    tab wealth_cons if classnew0==2
709    tab frequency if classnew0==2
710    tab limiting if classnew0==2
711    tab limiting_cons if classnew0==2
712
713    sum indager_cons if classnew0==3
714    tab age_cat if classnew0==3
715    tab fqethnmr if classnew0==3
716    tab dimarr if classnew0==3
717    tab wpdes if classnew0==3
718    tab hhtot if classnew0==3
719    tab educa_cons if classnew0==3
720    tab mynssec3_cons if classnew0==3
721    tab wealth_cons if classnew0==3
722    tab frequency if classnew0==3
723    tab limiting if classnew0==3
```

```stata
724    tab limiting_cons if classnew0==3
725
726    use datalongLCA.dta
727
728    * Time-constant marital status - Wave 9
729    * Generate a new variable duplicating the marital status variable at Wave 9
730    gen marital_cons = dimarr if wave==9
731    * Declare a panel dataset with participant ID "idauniq" and time variable "wave"
732    tsset idauniq wave
733    * Carryforward observations with respect to the time variable "wave" (i.e., from Wave 9 to COVID
       Wave 1) by participant ID
734    bysort idauniq: carryforward marital_cons, replace
735
736    * Time-constant ethnicity - Wave 9
737    * Generate a new variable duplicating the ethnicity variable at Wave 9
738    gen ethnicity_cons = fqethnmr if wave==9
739    * Declare a panel dataset with participant ID "idauniq" and time variable "wave"
740    tsset idauniq wave
741    * Carryforward observations with respect to the time variable "wave" (i.e., from Wave 9 to COVID
       Wave 1) by participant ID
742    bysort idauniq: carryforward ethnicity_cons, replace
743
744    save datalongLCA.dta, replace
745
746    * Use full dataset
747    use datalongLCA.dta
748    * Keep observations at follow-up
749    keep if wave==10
750    * Save dataset with a new name
751    save demographcw1.dta
752
753    * Descriptive statistics for the total male sample and stratified by class membership (intra-pandemic)
754    * Use complete male participant dataset
755    use LCAmalecross.dta
756    * One-to-one merge of data in memory with demographcw1.dta on participant ID
757    merge 1:1 idauniq using demographcw1.dta, generate (merge_demograph)
758    * Sort from lowest to highest participant ID
759    sort idauniq
760    * Keep data from the participants included in the unconditional LCA at intra-pandemic
761    keep if classnew1!=.
762    * Count total number of participants
763    unique idauniq
764    * 1,750 individuals
765    sum Age_Arch
766    tab age_cat
767    tab Ethnicity_arch
768    tab RelStat
769    tab marital_cons
770    replace marital_cons = . if marital_cons<0
771    tab RelStat if marital_cons==.
772    gen relcw1 = marital_cons
773    replace relcw1 = 1 if RelStat == 8 & marital_cons==.
774    replace relcw1 = 2 if inlist(RelStat,1,3,4) & marital_cons==.
775    replace relcw1 = 4 if inlist(RelStat,5,6) & marital_cons==.
776    replace relcw1 = 4 if marital_cons==5
777    replace relcw1 = 5 if marital_cons==6
778    replace relcw1 = 5 if RelStat == 7 & marital_cons==.
779    tab CvPstd
780    save maledescw10.dta
781    tab CvNumP
782    tab educa_cons
783    tab mynssec3_cons
784    tab wealth_cons
```

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

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

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

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