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. *****
. *Intercorrelations Supplement 2*
. *****

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. ***Inter-correlations of leisure activities***
. * sp = Overall Participation*

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. cor sp2005 phys05 social05 volunt05 politic05 art05 goout05 , means
(obs=19095)

```

| Variable  | Mean     | Std. Dev. | Min | Max |
|-----------|----------|-----------|-----|-----|
| sp2005    | 12.10851 | 3.221292  | 6   | 24  |
| phys05    | 2.365331 | 1.293267  | 1   | 4   |
| social05  | 3.208065 | .8117047  | 1   | 4   |
| volunt05  | 1.608641 | .9891094  | 1   | 4   |
| politic05 | 1.147473 | .4831244  | 1   | 4   |
| art05     | 1.733176 | .9600137  | 1   | 4   |
| goout05   | 2.045824 | .8555117  | 1   | 4   |

  

|           | sp2005 | phys05 | social05 | volunt05 | polit~05 | art05  | goout05 |
|-----------|--------|--------|----------|----------|----------|--------|---------|
| sp2005    | 1.0000 |        |          |          |          |        |         |
| phys05    | 0.7233 | 1.0000 |          |          |          |        |         |
| social05  | 0.5170 | 0.2282 | 1.0000   |          |          |        |         |
| volunt05  | 0.5853 | 0.2208 | 0.1143   | 1.0000   |          |        |         |
| politic05 | 0.3590 | 0.0767 | 0.0318   | 0.3756   | 1.0000   |        |         |
| art05     | 0.6017 | 0.2669 | 0.1657   | 0.2338   | 0.1265   | 1.0000 |         |
| goout05   | 0.6267 | 0.3973 | 0.3168   | 0.1312   | 0.0647   | 0.2409 | 1.0000  |

```

. ***zero-order stabilities of leisure activities**
. corr sp2005 sp2009 sp2013 sp2017, means
(obs=6460)

```

| Variable | Mean     | Std. Dev. | Min | Max |
|----------|----------|-----------|-----|-----|
| sp2005   | 12.337   | 3.166959  | 6   | 23  |
| sp2009   | 12.25418 | 3.155432  | 6   | 23  |
| sp2013   | 12.69628 | 3.26561   | 6   | 24  |
| sp2017   | 12.28344 | 3.217897  | 6   | 24  |

  

|        | sp2005 | sp2009 | sp2013 | sp2017 |
|--------|--------|--------|--------|--------|
| sp2005 | 1.0000 |        |        |        |
| sp2009 | 0.6951 | 1.0000 |        |        |
| sp2013 | 0.5994 | 0.6822 | 1.0000 |        |
| sp2017 | 0.5753 | 0.6431 | 0.6919 | 1.0000 |

```

. corr phys05 phys09 phys13 phys17, means

```

(obs=6802)

| Variable | Mean     | Std. Dev. | Min | Max |
|----------|----------|-----------|-----|-----|
| phys05   | 2.476919 | 1.30244   | 1   | 4   |
| phys09   | 2.529991 | 1.321799  | 1   | 4   |
| phys13   | 2.766245 | 1.319012  | 1   | 4   |
| phys17   | 2.585122 | 1.350784  | 1   | 4   |

  

|        | phys05 | phys09 | phys13 | phys17 |
|--------|--------|--------|--------|--------|
| phys05 | 1.0000 |        |        |        |
| phys09 | 0.6142 | 1.0000 |        |        |
| phys13 | 0.4766 | 0.5548 | 1.0000 |        |
| phys17 | 0.4679 | 0.5235 | 0.5759 | 1.0000 |

. corr social05 social09 social13 social17, means  
(obs=6845)

| Variable | Mean     | Std. Dev. | Min | Max |
|----------|----------|-----------|-----|-----|
| social05 | 3.179839 | .7975725  | 1   | 4   |
| social09 | 3.138787 | .7839484  | 1   | 4   |
| social13 | 3.038276 | .8299243  | 1   | 4   |
| social17 | 3.0729   | .7965647  | 1   | 4   |

  

|          | social05 | social09 | social13 | social17 |
|----------|----------|----------|----------|----------|
| social05 | 1.0000   |          |          |          |
| social09 | 0.4821   | 1.0000   |          |          |
| social13 | 0.3638   | 0.4095   | 1.0000   |          |
| social17 | 0.3818   | 0.4291   | 0.4272   | 1.0000   |

. corr volunt05 volunt09 volunt13 volunt17, means  
(obs=6803)

| Variable | Mean     | Std. Dev. | Min | Max |
|----------|----------|-----------|-----|-----|
| volunt05 | 1.697633 | 1.03575   | 1   | 4   |
| volunt09 | 1.685433 | 1.059591  | 1   | 4   |
| volunt13 | 1.686903 | 1.069003  | 1   | 4   |
| volunt17 | 1.754667 | 1.078889  | 1   | 4   |

  

|          | volunt05 | volunt09 | volunt13 | volunt17 |
|----------|----------|----------|----------|----------|
| volunt05 | 1.0000   |          |          |          |
| volunt09 | 0.5945   | 1.0000   |          |          |
| volunt13 | 0.5124   | 0.6313   | 1.0000   |          |
| volunt17 | 0.4609   | 0.5283   | 0.6396   | 1.0000   |

. corr politic05 politic09 politic13 politic17, means  
(obs=6773)

| Variable  | Mean     | Std. Dev. | Min | Max |
|-----------|----------|-----------|-----|-----|
| politic05 | 1.161967 | .5076675  | 1   | 4   |
| politic09 | 1.141592 | .4770599  | 1   | 4   |
| politic13 | 1.196516 | .5379071  | 1   | 4   |
| politic17 | 1.163591 | .506418   | 1   | 4   |

|           | polit~05 | polit~09 | polit~13 | polit~17 |
|-----------|----------|----------|----------|----------|
| politic05 | 1.0000   |          |          |          |
| politic09 | 0.5553   | 1.0000   |          |          |
| politic13 | 0.4436   | 0.5602   | 1.0000   |          |
| politic17 | 0.3880   | 0.4787   | 0.5363   | 1.0000   |

. corr art05 art09 art13 art17, means  
(obs=6774)

| Variable | Mean     | Std. Dev. | Min | Max |
|----------|----------|-----------|-----|-----|
| art05    | 1.804694 | .9834456  | 1   | 4   |
| art09    | 1.808237 | 1.006835  | 1   | 4   |
| art13    | 1.987304 | 1.074716  | 1   | 4   |
| art17    | 1.812223 | 1.005606  | 1   | 4   |

|       | art05  | art09  | art13  | art17  |
|-------|--------|--------|--------|--------|
| art05 | 1.0000 |        |        |        |
| art09 | 0.5616 | 1.0000 |        |        |
| art13 | 0.4811 | 0.5599 | 1.0000 |        |
| art17 | 0.4687 | 0.5222 | 0.5672 | 1.0000 |

. corr goout05 goout09 goout13 goout17, means  
(obs=6820)

| Variable | Mean     | Std. Dev. | Min | Max |
|----------|----------|-----------|-----|-----|
| goout05  | 2.038563 | .7925132  | 1   | 4   |
| goout09  | 1.980938 | .7602766  | 1   | 4   |
| goout13  | 2.056158 | .8205717  | 1   | 4   |
| goout17  | 1.930792 | .7424977  | 1   | 4   |

|         | goout05 | goout09 | goout13 | goout17 |
|---------|---------|---------|---------|---------|
| goout05 | 1.0000  |         |         |         |

```

goout09 | 0.5432 1.0000
goout13 | 0.4328 0.5219 1.0000
goout17 | 0.4125 0.4874 0.5075 1.0000

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.
. ***Inter-correlations of personality traits***
. corr open2005 conc2005 extra2005 agree2005 neuro2005, means
(obs=18907)

```

| Variable  | Mean     | Std. Dev. | Min | Max |
|-----------|----------|-----------|-----|-----|
| open2005  | 4.522082 | 1.1972    | 1   | 7   |
| conc2005  | 5.917632 | .9216121  | 1   | 7   |
| extra2005 | 4.845101 | 1.131698  | 1   | 7   |
| agree2005 | 5.433667 | .9752693  | 1   | 7   |
| neuro2005 | 3.960984 | 1.215161  | 1   | 7   |

|           | open2005 | conc2005 | ext~2005 | agr~2005 | neu~2005 |
|-----------|----------|----------|----------|----------|----------|
| open2005  | 1.0000   |          |          |          |          |
| conc2005  | 0.1670   | 1.0000   |          |          |          |
| extra2005 | 0.3811   | 0.1865   | 1.0000   |          |          |
| agree2005 | 0.1324   | 0.3202   | 0.0929   | 1.0000   |          |
| neuro2005 | -0.0794  | -0.0989  | -0.1648  | -0.1179  | 1.0000   |

```

.
. ***zero-order stabilities of personality traits**
. corr open2005 open2009 open2013 open2017, means
(obs=6652)

```

| Variable | Mean     | Std. Dev. | Min | Max |
|----------|----------|-----------|-----|-----|
| open2005 | 4.577871 | 1.167649  | 1   | 7   |
| open2009 | 4.674158 | 1.062722  | 1   | 7   |
| open2013 | 4.791379 | 1.037626  | 1   | 7   |
| open2017 | 4.780555 | 1.041265  | 1   | 7   |

|          | open2005 | open2009 | open2013 | open2017 |
|----------|----------|----------|----------|----------|
| open2005 | 1.0000   |          |          |          |
| open2009 | 0.5964   | 1.0000   |          |          |
| open2013 | 0.5553   | 0.6465   | 1.0000   |          |
| open2017 | 0.5290   | 0.6100   | 0.6620   | 1.0000   |

```

. corr conc2005 conc2009 conc2013 conc2017, means
(obs=6717)

```

| Variable | Mean | Std. Dev. | Min | Max |
|----------|------|-----------|-----|-----|
|----------|------|-----------|-----|-----|

|          | Mean     | Std. Dev. | Min      | Max |
|----------|----------|-----------|----------|-----|
| conc2005 | 5.95226  | .8922328  | 1        | 7   |
| conc2009 | 5.865366 | .8970132  | 1.666667 | 7   |
| conc2013 | 5.888393 | .8730176  | 1.333333 | 7   |
| conc2017 | 5.77351  | .8939804  | 1        | 7   |

|          | conc2005 | conc2009 | conc2013 | conc2017 |
|----------|----------|----------|----------|----------|
| conc2005 | 1.0000   |          |          |          |
| conc2009 | 0.5479   | 1.0000   |          |          |
| conc2013 | 0.4868   | 0.5628   | 1.0000   |          |
| conc2017 | 0.4526   | 0.5193   | 0.5864   | 1.0000   |

. corr extra2005 extra2009 extra2013 extra2017, means  
(obs=6753)

| Variable  | Mean     | Std. Dev. | Min | Max |
|-----------|----------|-----------|-----|-----|
| extra2005 | 4.84481  | 1.12483   | 1   | 7   |
| extra2009 | 4.743966 | 1.134507  | 1   | 7   |
| extra2013 | 4.796732 | 1.10806   | 1   | 7   |
| extra2017 | 4.778123 | 1.120482  | 1   | 7   |

|           | ext~2005 | ext~2009 | ext~2013 | ext~2017 |
|-----------|----------|----------|----------|----------|
| extra2005 | 1.0000   |          |          |          |
| extra2009 | 0.6469   | 1.0000   |          |          |
| extra2013 | 0.6027   | 0.6706   | 1.0000   |          |
| extra2017 | 0.5725   | 0.6439   | 0.6945   | 1.0000   |

. corr agree2005 agree2009 agree2013 agree2017, means  
(obs=6748)

| Variable  | Mean     | Std. Dev. | Min      | Max |
|-----------|----------|-----------|----------|-----|
| agree2005 | 5.437167 | .9646625  | 1        | 7   |
| agree2009 | 5.311203 | .963749   | 1        | 7   |
| agree2013 | 5.361934 | .9547795  | 1        | 7   |
| agree2017 | 5.343015 | .9457591  | 1.333333 | 7   |

|           | agr~2005 | agr~2009 | agr~2013 | agr~2017 |
|-----------|----------|----------|----------|----------|
| agree2005 | 1.0000   |          |          |          |
| agree2009 | 0.5262   | 1.0000   |          |          |
| agree2013 | 0.4840   | 0.5505   | 1.0000   |          |
| agree2017 | 0.4541   | 0.5056   | 0.5742   | 1.0000   |

. corr neuro2005 neuro2009 neuro2013 neuro2017

(obs=6749)

|           | neu~2005 | neu~2009 | neu~2013 | neu~2017 |
|-----------|----------|----------|----------|----------|
| neuro2005 | 1.0000   |          |          |          |
| neuro2009 | 0.5944   | 1.0000   |          |          |
| neuro2013 | 0.5451   | 0.6174   | 1.0000   |          |
| neuro2017 | 0.5120   | 0.5771   | 0.6419   | 1.0000   |

```
.  
. *** Correlations between personality traits and leisure activities***  
. cor sp2005 phys05 social05 volunt05 politic05 art05 goout05 open2005 conc2005  
extra2005 agree2005 neuro2005  
(obs=18590)
```

|           | sp2005  | phys05  | social05 | volunt05 | polit~05 | art05   | goout05 |
|-----------|---------|---------|----------|----------|----------|---------|---------|
| open2005  |         |         |          |          |          |         |         |
| conc2005  |         |         |          |          |          |         |         |
| ext~2005  |         |         |          |          |          |         |         |
| agr~2005  |         |         |          |          |          |         |         |
| neu~2005  |         |         |          |          |          |         |         |
| sp2005    | 1.0000  |         |          |          |          |         |         |
| phys05    | 0.7218  | 1.0000  |          |          |          |         |         |
| social05  | 0.5152  | 0.2262  | 1.0000   |          |          |         |         |
| volunt05  | 0.5837  | 0.2176  | 0.1122   | 1.0000   |          |         |         |
| politic05 | 0.3543  | 0.0733  | 0.0270   | 0.3727   | 1.0000   |         |         |
| art05     | 0.5999  | 0.2630  | 0.1648   | 0.2305   | 0.1232   | 1.0000  |         |
| goout05   | 0.6255  | 0.3946  | 0.3170   | 0.1293   | 0.0612   | 0.2379  | 1.0000  |
| open2005  | 0.2693  | 0.1525  | 0.1102   | 0.1001   | 0.0890   | 0.3065  | 0.1654  |
| conc2005  | -0.0587 | -0.0247 | -0.0403  | -0.0020  | 0.0211   | -0.0390 | -0.1105 |
| extra2005 | 0.1808  | 0.1043  | 0.1684   | 0.0787   | 0.0553   | 0.0855  | 0.1434  |
| agree2005 | -0.0118 | -0.0124 | 0.0344   | -0.0299  | -0.0286  | 0.0337  | -0.0451 |
| neuro2005 | -0.1489 | -0.1069 | -0.1034  | -0.0721  | -0.0692  | -0.0420 | -0.1300 |

```
.  
. ***Correlations across all waves***  
. cor sp2005 sp2009 sp2013 sp2017 age2005 age2009 age2013 age2017 open2005  
open2009 open2013 open2017 ///  
> conc2005 conc2009 conc2013 conc2017 extra2005 extra2009 extra2013 extra2017  
///  
> agree2005 agree2009 agree2013 agree2017 neuro2005 neuro2009 neuro2013  
neuro2017 ///  
> phys05 phys09 phys13 phys17 social05 social09 social13 social17 ///  
> volunt05 volunt09 volunt13 volunt17 politic05 politic09 politic13 politic17  
///  
> art05 art09 art13 art17 goout05 goout09 goout13 goout17  
(obs=5911)
```

|  | sp2005 | sp2009 | sp2013 | sp2017 | age2005 | age2009 | age2013 |
|--|--------|--------|--------|--------|---------|---------|---------|
|--|--------|--------|--------|--------|---------|---------|---------|

age2017 open2005 open2009 open2013 open2017 conc2005 conc2009 conc2013

|             |         |         |         |         |         |         |         |         |
|-------------|---------|---------|---------|---------|---------|---------|---------|---------|
| -----+----- |         |         |         |         |         |         |         |         |
| -----       |         |         |         |         |         |         |         |         |
| sp2005      |         | 1.0000  |         |         |         |         |         |         |
| sp2009      |         | 0.6879  | 1.0000  |         |         |         |         |         |
| sp2013      |         | 0.5914  | 0.6776  | 1.0000  |         |         |         |         |
| sp2017      |         | 0.5688  | 0.6375  | 0.6874  | 1.0000  |         |         |         |
| age2005     |         | -0.1845 | -0.1604 | -0.1564 | -0.1774 | 1.0000  |         |         |
| age2009     |         | -0.1845 | -0.1604 | -0.1564 | -0.1774 | 1.0000  | 1.0000  |         |
| age2013     |         | -0.1845 | -0.1604 | -0.1564 | -0.1774 | 1.0000  | 1.0000  | 1.0000  |
| age2017     |         | -0.1845 | -0.1604 | -0.1564 | -0.1774 | 1.0000  | 1.0000  | 1.0000  |
| 1.0000      |         |         |         |         |         |         |         |         |
| open2005    |         | 0.2445  | 0.2158  | 0.2173  | 0.2128  | -0.0071 | -0.0071 | -0.0071 |
| -0.0071     | 1.0000  |         |         |         |         |         |         |         |
| open2009    |         | 0.2239  | 0.2612  | 0.2485  | 0.2310  | 0.0049  | 0.0049  | 0.0049  |
| 0.0049      | 0.5985  | 1.0000  |         |         |         |         |         |         |
| open2013    |         | 0.2291  | 0.2308  | 0.2621  | 0.2379  | 0.0294  | 0.0294  | 0.0294  |
| 0.0294      | 0.5583  | 0.6479  | 1.0000  |         |         |         |         |         |
| open2017    |         | 0.2051  | 0.2256  | 0.2450  | 0.2779  | -0.0142 | -0.0142 | -0.0142 |
| -0.0142     | 0.5319  | 0.6151  | 0.6638  | 1.0000  |         |         |         |         |
| conc2005    |         | -0.0804 | -0.0561 | -0.0559 | -0.0509 | 0.1258  | 0.1258  | 0.1258  |
| 0.1258      | 0.1371  | 0.0930  | 0.0687  | 0.0654  | 1.0000  |         |         |         |
| conc2009    |         | -0.0479 | -0.0335 | -0.0348 | -0.0124 | 0.0819  | 0.0819  | 0.0819  |
| 0.0819      | 0.0987  | 0.1512  | 0.0971  | 0.0857  | 0.5641  | 1.0000  |         |         |
| conc2013    |         | -0.0422 | -0.0319 | -0.0410 | -0.0014 | 0.0737  | 0.0737  | 0.0737  |
| 0.0737      | 0.0820  | 0.1061  | 0.1578  | 0.1070  | 0.5016  | 0.5708  | 1.0000  |         |
| conc2017    |         | -0.0118 | 0.0056  | 0.0042  | 0.0280  | 0.0009  | 0.0009  | 0.0009  |
| 0.0009      | 0.0694  | 0.0865  | 0.0961  | 0.1580  | 0.4640  | 0.5265  | 0.6028  |         |
| extra2005   |         | 0.1498  | 0.1233  | 0.1127  | 0.1304  | -0.0510 | -0.0510 | -0.0510 |
| -0.0510     | 0.3537  | 0.2743  | 0.2348  | 0.2314  | 0.1727  | 0.1278  | 0.1228  |         |
| extra2009   |         | 0.1337  | 0.1552  | 0.1384  | 0.1517  | -0.0783 | -0.0783 | -0.0783 |
| -0.0783     | 0.2881  | 0.3639  | 0.2823  | 0.2632  | 0.1165  | 0.1852  | 0.1554  |         |
| extra2013   |         | 0.1288  | 0.1261  | 0.1456  | 0.1474  | -0.0557 | -0.0557 | -0.0557 |
| -0.0557     | 0.2659  | 0.2815  | 0.3439  | 0.2741  | 0.1073  | 0.1259  | 0.1883  |         |
| extra2017   |         | 0.1065  | 0.1054  | 0.1228  | 0.1573  | -0.0679 | -0.0679 | -0.0679 |
| -0.0679     | 0.2484  | 0.2533  | 0.2685  | 0.3486  | 0.1047  | 0.1091  | 0.1400  |         |
| agree2005   |         | -0.0118 | 0.0054  | 0.0083  | 0.0032  | 0.0524  | 0.0524  | 0.0524  |
| 0.0524      | 0.1276  | 0.0932  | 0.1056  | 0.0717  | 0.3014  | 0.1859  | 0.1959  |         |
| agree2009   |         | 0.0173  | 0.0294  | 0.0265  | 0.0279  | 0.0713  | 0.0713  | 0.0713  |
| 0.0713      | 0.1004  | 0.1378  | 0.1118  | 0.0868  | 0.2036  | 0.2927  | 0.2051  |         |
| agree2013   |         | 0.0127  | 0.0167  | 0.0134  | 0.0355  | 0.0648  | 0.0648  | 0.0648  |
| 0.0648      | 0.0794  | 0.0995  | 0.1464  | 0.0938  | 0.1621  | 0.1791  | 0.3023  |         |
| agree2017   |         | 0.0022  | 0.0153  | -0.0016 | 0.0100  | 0.0735  | 0.0735  | 0.0735  |
| 0.0735      | 0.0809  | 0.0961  | 0.1088  | 0.1210  | 0.1609  | 0.1769  | 0.2253  |         |
| neuro2005   |         | -0.1310 | -0.1179 | -0.1183 | -0.1191 | 0.0264  | 0.0264  | 0.0264  |
| 0.0264      | -0.0786 | -0.0800 | -0.0631 | -0.0816 | -0.0845 | -0.0507 | -0.0219 |         |
| neuro2009   |         | -0.0985 | -0.1071 | -0.1020 | -0.1098 | 0.0173  | 0.0173  | 0.0173  |
| 0.0173      | -0.0679 | -0.0999 | -0.0737 | -0.0847 | -0.0708 | -0.1095 | -0.0679 |         |
| neuro2013   |         | -0.1018 | -0.1238 | -0.1124 | -0.1322 | 0.0252  | 0.0252  | 0.0252  |
| 0.0252      | -0.0418 | -0.0919 | -0.0787 | -0.0848 | -0.0505 | -0.0657 | -0.0993 |         |
| neuro2017   |         | -0.1050 | -0.1161 | -0.1234 | -0.1564 | 0.0211  | 0.0211  | 0.0211  |
| 0.0211      | -0.0714 | -0.0916 | -0.0886 | -0.1292 | -0.0428 | -0.0569 | -0.0788 |         |
| phys05      |         | 0.7130  | 0.5195  | 0.4314  | 0.4271  | -0.1173 | -0.1173 | -0.1173 |
| -0.1173     | 0.1280  | 0.1179  | 0.1307  | 0.1042  | -0.0385 | -0.0157 | -0.0222 |         |

|           |        |        |        |        |         |         |         |         |
|-----------|--------|--------|--------|--------|---------|---------|---------|---------|
| phys09    |        | 0.4789 | 0.7113 | 0.4602 | 0.4549  | -0.1034 | -0.1034 | -0.1034 |
| -0.1034   | 0.0988 | 0.1385 | 0.1363 | 0.1260 | -0.0305 | -0.0098 | -0.0239 |         |
| phys13    |        | 0.3880 | 0.4561 | 0.6786 | 0.4727  | -0.0846 | -0.0846 | -0.0846 |
| -0.0846   | 0.0920 | 0.1309 | 0.1398 | 0.1149 | -0.0201 | -0.0069 | -0.0170 |         |
| phys17    |        | 0.3920 | 0.4422 | 0.4773 | 0.7016  | -0.1341 | -0.1341 | -0.1341 |
| -0.1341   | 0.1163 | 0.1228 | 0.1315 | 0.1446 | -0.0402 | -0.0123 | 0.0024  |         |
| social05  |        | 0.4884 | 0.3130 | 0.2522 | 0.2617  | -0.2186 | -0.2186 | -0.2186 |
| -0.2186   | 0.1080 | 0.0843 | 0.0974 | 0.0997 | -0.0454 | -0.0159 | -0.0188 |         |
| social09  |        | 0.3288 | 0.4910 | 0.2844 | 0.2897  | -0.1833 | -0.1833 | -0.1833 |
| -0.1833   | 0.0964 | 0.0923 | 0.0780 | 0.0760 | -0.0424 | -0.0096 | -0.0040 |         |
| social13  |        | 0.2622 | 0.2822 | 0.4709 | 0.2972  | -0.1626 | -0.1626 | -0.1626 |
| -0.1626   | 0.1093 | 0.0981 | 0.1291 | 0.1190 | -0.0323 | -0.0044 | 0.0073  |         |
| social17  |        | 0.2693 | 0.2947 | 0.3009 | 0.4911  | -0.1457 | -0.1457 | -0.1457 |
| -0.1457   | 0.0985 | 0.0956 | 0.1048 | 0.1282 | -0.0306 | 0.0049  | 0.0196  |         |
| volunt05  |        | 0.5940 | 0.3993 | 0.3538 | 0.3332  | 0.0668  | 0.0668  | 0.0668  |
| 0.0668    | 0.0794 | 0.0721 | 0.0733 | 0.0593 | -0.0251 | -0.0212 | -0.0071 |         |
| volunt09  |        | 0.4208 | 0.6075 | 0.4420 | 0.3903  | 0.0279  | 0.0279  | 0.0279  |
| 0.0279    | 0.0839 | 0.0931 | 0.0865 | 0.0807 | -0.0142 | -0.0003 | -0.0079 |         |
| volunt13  |        | 0.3701 | 0.4297 | 0.5847 | 0.4353  | 0.0201  | 0.0201  | 0.0201  |
| 0.0201    | 0.0723 | 0.0790 | 0.0813 | 0.0798 | -0.0256 | -0.0257 | -0.0185 |         |
| volunt17  |        | 0.3455 | 0.3951 | 0.4462 | 0.6125  | -0.0185 | -0.0185 | -0.0185 |
| -0.0185   | 0.0804 | 0.0844 | 0.0868 | 0.1067 | -0.0188 | -0.0009 | -0.0034 |         |
| politic05 |        | 0.3509 | 0.2186 | 0.2094 | 0.1826  | 0.0864  | 0.0864  | 0.0864  |
| 0.0864    | 0.0842 | 0.0880 | 0.0634 | 0.0815 | 0.0061  | -0.0137 | -0.0147 |         |
| politic09 |        | 0.2399 | 0.3540 | 0.2528 | 0.2262  | 0.0611  | 0.0611  | 0.0611  |
| 0.0611    | 0.0861 | 0.1023 | 0.0740 | 0.0970 | 0.0055  | 0.0059  | 0.0021  |         |
| politic13 |        | 0.2024 | 0.2583 | 0.3740 | 0.2512  | 0.0694  | 0.0694  | 0.0694  |
| 0.0694    | 0.0832 | 0.0969 | 0.0825 | 0.0964 | -0.0092 | -0.0073 | -0.0231 |         |
| politic17 |        | 0.1955 | 0.2367 | 0.2578 | 0.3730  | 0.0420  | 0.0420  | 0.0420  |
| 0.0420    | 0.0680 | 0.0858 | 0.0729 | 0.0982 | -0.0016 | 0.0096  | -0.0057 |         |
| art05     |        | 0.5907 | 0.3962 | 0.3480 | 0.3154  | -0.0602 | -0.0602 | -0.0602 |
| -0.0602   | 0.2931 | 0.2586 | 0.2688 | 0.2327 | -0.0522 | -0.0274 | -0.0235 |         |
| art09     |        | 0.3999 | 0.5790 | 0.4015 | 0.3633  | -0.0405 | -0.0405 | -0.0405 |
| -0.0405   | 0.2586 | 0.2992 | 0.2732 | 0.2564 | -0.0266 | -0.0325 | -0.0264 |         |
| art13     |        | 0.3777 | 0.4126 | 0.6066 | 0.4061  | -0.0859 | -0.0859 | -0.0859 |
| -0.0859   | 0.2759 | 0.2941 | 0.3125 | 0.2916 | -0.0499 | -0.0320 | -0.0534 |         |
| art17     |        | 0.3572 | 0.3876 | 0.4099 | 0.5945  | -0.0547 | -0.0547 | -0.0547 |
| -0.0547   | 0.2534 | 0.2733 | 0.2888 | 0.3187 | -0.0243 | -0.0137 | -0.0089 |         |
| goout05   |        | 0.5774 | 0.4115 | 0.3589 | 0.3513  | -0.3877 | -0.3877 | -0.3877 |
| -0.3877   | 0.1312 | 0.1396 | 0.1273 | 0.1253 | -0.1163 | -0.0780 | -0.0641 |         |
| goout09   |        | 0.4117 | 0.5649 | 0.4071 | 0.3846  | -0.3194 | -0.3194 | -0.3194 |
| -0.3194   | 0.1102 | 0.1565 | 0.1106 | 0.1251 | -0.0840 | -0.0719 | -0.0418 |         |
| goout13   |        | 0.3455 | 0.3976 | 0.5955 | 0.4008  | -0.2810 | -0.2810 | -0.2810 |
| -0.2810   | 0.0918 | 0.1226 | 0.1134 | 0.1162 | -0.0521 | -0.0422 | -0.0331 |         |
| goout17   |        | 0.3386 | 0.3761 | 0.4025 | 0.5722  | -0.2956 | -0.2956 | -0.2956 |
| -0.2956   | 0.0968 | 0.1215 | 0.1103 | 0.1477 | -0.0529 | -0.0230 | -0.0105 |         |

|          |          |          |          |          |          |          |          |          |
|----------|----------|----------|----------|----------|----------|----------|----------|----------|
|          |          | conc2017 | ext~2005 | ext~2009 | ext~2013 | ext~2017 | agr~2005 | agr~2009 |
| agr~2013 | agr~2017 | neu~2005 | neu~2009 | neu~2013 | neu~2017 | phys05   | phys09   |          |

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|           |  |        |        |        |  |  |  |  |
|-----------|--|--------|--------|--------|--|--|--|--|
| conc2017  |  | 1.0000 |        |        |  |  |  |  |
| extra2005 |  | 0.1285 | 1.0000 |        |  |  |  |  |
| extra2009 |  | 0.1422 | 0.6522 | 1.0000 |  |  |  |  |



|           |         |         |         |         |         |         |         |         |
|-----------|---------|---------|---------|---------|---------|---------|---------|---------|
| extra2013 |         | 0.1393  | 0.6099  | 0.6757  | 1.0000  |         |         |         |
| extra2017 |         | 0.1871  | 0.5798  | 0.6456  | 0.6983  | 1.0000  |         |         |
| agree2005 |         | 0.1553  | 0.0782  | 0.0379  | 0.0381  | 0.0116  | 1.0000  |         |
| agree2009 |         | 0.1788  | 0.0442  | 0.0590  | 0.0430  | 0.0126  | 0.5353  | 1.0000  |
| agree2013 |         | 0.1995  | 0.0417  | 0.0523  | 0.0719  | 0.0416  | 0.4921  | 0.5521  |
| 1.0000    |         |         |         |         |         |         |         |         |
| agree2017 |         | 0.2742  | 0.0444  | 0.0412  | 0.0419  | 0.0600  | 0.4662  | 0.5182  |
| 0.5903    | 1.0000  |         |         |         |         |         |         |         |
| neuro2005 |         | -0.0185 | -0.1478 | -0.0895 | -0.0810 | -0.0535 | -0.1181 | -0.0721 |
| -0.0429   | -0.0495 | 1.0000  |         |         |         |         |         |         |
| neuro2009 |         | -0.0562 | -0.1118 | -0.1400 | -0.1076 | -0.0899 | -0.0788 | -0.0897 |
| -0.0562   | -0.0598 | 0.5979  | 1.0000  |         |         |         |         |         |
| neuro2013 |         | -0.0668 | -0.0917 | -0.0984 | -0.1337 | -0.0965 | -0.0698 | -0.0568 |
| -0.1169   | -0.0809 | 0.5460  | 0.6227  | 1.0000  |         |         |         |         |
| neuro2017 |         | -0.1078 | -0.1041 | -0.1038 | -0.1286 | -0.1545 | -0.0562 | -0.0411 |
| -0.0714   | -0.1178 | 0.5133  | 0.5858  | 0.6500  | 1.0000  |         |         |         |
| phys05    |         | 0.0042  | 0.0864  | 0.0910  | 0.0840  | 0.0663  | -0.0012 | 0.0061  |
| 0.0002    | -0.0066 | -0.0919 | -0.0744 | -0.0749 | -0.0627 | 1.0000  |         |         |
| phys09    |         | 0.0085  | 0.0677  | 0.0899  | 0.0673  | 0.0561  | 0.0233  | 0.0140  |
| 0.0011    | -0.0113 | -0.0816 | -0.0761 | -0.0832 | -0.0672 | 0.6066  | 1.0000  |         |
| phys13    |         | 0.0220  | 0.0633  | 0.0673  | 0.0664  | 0.0524  | 0.0109  | 0.0150  |
| 0.0077    | 0.0001  | -0.0848 | -0.0616 | -0.0835 | -0.0654 | 0.4738  | 0.5543  |         |
| phys17    |         | 0.0230  | 0.0811  | 0.0841  | 0.0810  | 0.0759  | 0.0029  | 0.0053  |
| 0.0117    | -0.0044 | -0.0732 | -0.0703 | -0.0819 | -0.0865 | 0.4686  | 0.5251  |         |
| social05  |         | 0.0127  | 0.1692  | 0.1516  | 0.1422  | 0.1348  | 0.0460  | 0.0557  |
| 0.0654    | 0.0572  | -0.0792 | -0.0561 | -0.0577 | -0.0654 | 0.2026  | 0.1669  |         |
| social09  |         | 0.0163  | 0.1407  | 0.1892  | 0.1501  | 0.1403  | 0.0426  | 0.0614  |
| 0.0585    | 0.0670  | -0.0716 | -0.0676 | -0.0572 | -0.0561 | 0.1980  | 0.2252  |         |
| social13  |         | 0.0186  | 0.1430  | 0.1734  | 0.1963  | 0.1788  | 0.0383  | 0.0476  |
| 0.0706    | 0.0423  | -0.0722 | -0.0751 | -0.0706 | -0.0806 | 0.1499  | 0.1446  |         |
| social17  |         | 0.0530  | 0.1646  | 0.1889  | 0.2010  | 0.2302  | 0.0404  | 0.0477  |
| 0.0630    | 0.0671  | -0.0821 | -0.0740 | -0.0811 | -0.1302 | 0.1545  | 0.1697  |         |
| volunt05  |         | -0.0138 | 0.0653  | 0.0502  | 0.0557  | 0.0342  | -0.0365 | -0.0102 |
| -0.0096   | -0.0119 | -0.0670 | -0.0582 | -0.0649 | -0.0755 | 0.2205  | 0.1435  |         |
| volunt09  |         | 0.0080  | 0.0637  | 0.0690  | 0.0649  | 0.0494  | -0.0206 | 0.0076  |
| -0.0049   | 0.0022  | -0.0749 | -0.0749 | -0.0980 | -0.0963 | 0.1997  | 0.2082  |         |
| volunt13  |         | -0.0014 | 0.0230  | 0.0353  | 0.0354  | 0.0342  | 0.0106  | 0.0167  |
| 0.0104    | -0.0080 | -0.0621 | -0.0722 | -0.0769 | -0.0897 | 0.1678  | 0.1589  |         |
| volunt17  |         | -0.0010 | 0.0541  | 0.0609  | 0.0522  | 0.0628  | -0.0219 | 0.0022  |
| -0.0054   | -0.0233 | -0.0664 | -0.0682 | -0.0868 | -0.1027 | 0.1783  | 0.1747  |         |
| politic05 |         | -0.0177 | 0.0428  | 0.0216  | 0.0387  | 0.0254  | -0.0464 | -0.0121 |
| -0.0231   | -0.0196 | -0.0587 | -0.0482 | -0.0425 | -0.0426 | 0.0757  | 0.0355  |         |
| politic09 |         | -0.0058 | 0.0378  | 0.0385  | 0.0375  | 0.0257  | -0.0354 | -0.0269 |
| -0.0290   | -0.0284 | -0.0482 | -0.0517 | -0.0524 | -0.0416 | 0.0727  | 0.0733  |         |
| politic13 |         | -0.0103 | 0.0405  | 0.0433  | 0.0484  | 0.0370  | -0.0427 | -0.0319 |
| -0.0447   | -0.0347 | -0.0562 | -0.0636 | -0.0588 | -0.0686 | 0.0559  | 0.0559  |         |
| politic17 |         | -0.0133 | 0.0269  | 0.0338  | 0.0315  | 0.0320  | -0.0351 | -0.0248 |
| -0.0202   | -0.0327 | -0.0708 | -0.0580 | -0.0742 | -0.0667 | 0.0658  | 0.0658  |         |
| art05     |         | -0.0061 | 0.0572  | 0.0385  | 0.0480  | 0.0337  | 0.0243  | 0.0490  |
| 0.0362    | 0.0294  | -0.0402 | -0.0188 | -0.0163 | -0.0330 | 0.2425  | 0.1888  |         |
| art09     |         | 0.0012  | 0.0450  | 0.0474  | 0.0444  | 0.0331  | 0.0168  | 0.0535  |
| 0.0440    | 0.0450  | -0.0384 | -0.0200 | -0.0384 | -0.0536 | 0.2048  | 0.2388  |         |
| art13     |         | -0.0291 | 0.0508  | 0.0633  | 0.0696  | 0.0533  | 0.0208  | 0.0487  |
| 0.0161    | 0.0220  | -0.0391 | -0.0201 | -0.0187 | -0.0523 | 0.2033  | 0.1943  |         |

|         |         |         |         |         |         |        |         |         |
|---------|---------|---------|---------|---------|---------|--------|---------|---------|
| art17   |         | 0.0144  | 0.0422  | 0.0514  | 0.0603  | 0.0580 | 0.0246  | 0.0555  |
| 0.0642  | 0.0458  | -0.0427 | -0.0202 | -0.0397 | -0.0609 | 0.1876 | 0.1947  |         |
| goout05 |         | -0.0296 | 0.1006  | 0.1030  | 0.0745  | 0.0769 | -0.0437 | -0.0365 |
| -0.0324 | -0.0457 | -0.1150 | -0.0826 | -0.0910 | -0.0820 | 0.3470 | 0.2927  |         |
| goout09 |         | -0.0173 | 0.0767  | 0.1095  | 0.0787  | 0.0663 | -0.0329 | -0.0294 |
| -0.0255 | -0.0300 | -0.0872 | -0.0783 | -0.0888 | -0.0747 | 0.2983 | 0.3236  |         |
| goout13 |         | 0.0095  | 0.0778  | 0.1084  | 0.1037  | 0.0835 | -0.0368 | -0.0323 |
| -0.0360 | -0.0452 | -0.0908 | -0.0677 | -0.0769 | -0.0722 | 0.2762 | 0.2901  |         |
| goout17 |         | 0.0136  | 0.0867  | 0.1204  | 0.0965  | 0.1050 | -0.0122 | -0.0013 |
| -0.0004 | -0.0262 | -0.0914 | -0.1017 | -0.1055 | -0.1026 | 0.2704 | 0.2680  |         |

|          |          |          |          |          |          |          |          |          |
|----------|----------|----------|----------|----------|----------|----------|----------|----------|
|          |          | phys13   | phys17   | social05 | social09 | social13 | social17 | volunt05 |
| volunt09 | volunt13 | volunt17 | polit~05 | polit~09 | polit~13 | polit~17 | art05    |          |

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|           |        |        |        |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|--------|--------|--------|
| phys13    |        | 1.0000 |        |        |        |        |        |        |
| phys17    |        | 0.5797 | 1.0000 |        |        |        |        |        |
| social05  |        | 0.1151 | 0.1486 | 1.0000 |        |        |        |        |
| social09  |        | 0.1392 | 0.1669 | 0.4841 | 1.0000 |        |        |        |
| social13  |        | 0.1674 | 0.1663 | 0.3669 | 0.4155 | 1.0000 |        |        |
| social17  |        | 0.1458 | 0.2062 | 0.3899 | 0.4333 | 0.4337 | 1.0000 |        |
| volunt05  |        | 0.1232 | 0.1162 | 0.1034 | 0.0899 | 0.0711 | 0.0906 | 1.0000 |
| volunt09  |        | 0.1653 | 0.1528 | 0.1067 | 0.1306 | 0.1016 | 0.0994 | 0.5834 |
| 1.0000    |        |        |        |        |        |        |        |        |
| volunt13  |        | 0.1657 | 0.1503 | 0.0830 | 0.0929 | 0.0924 | 0.1089 | 0.5034 |
| 0.6230    | 1.0000 |        |        |        |        |        |        |        |
| volunt17  |        | 0.1655 | 0.1881 | 0.0879 | 0.1036 | 0.1007 | 0.1418 | 0.4554 |
| 0.5188    | 0.6349 | 1.0000 |        |        |        |        |        |        |
| politic05 |        | 0.0436 | 0.0264 | 0.0153 | 0.0100 | 0.0228 | 0.0207 | 0.3346 |
| 0.2417    | 0.2235 | 0.2027 | 1.0000 |        |        |        |        |        |
| politic09 |        | 0.0600 | 0.0482 | 0.0094 | 0.0252 | 0.0162 | 0.0313 | 0.2570 |
| 0.3419    | 0.2594 | 0.2377 | 0.5436 | 1.0000 |        |        |        |        |
| politic13 |        | 0.0759 | 0.0534 | 0.0152 | 0.0362 | 0.0438 | 0.0503 | 0.2333 |
| 0.2822    | 0.3168 | 0.2651 | 0.4289 | 0.5654 | 1.0000 |        |        |        |
| politic17 |        | 0.0644 | 0.0771 | 0.0336 | 0.0299 | 0.0235 | 0.0668 | 0.2270 |
| 0.2635    | 0.2725 | 0.3409 | 0.3832 | 0.4878 | 0.5376 | 1.0000 |        |        |
| art05     |        | 0.1633 | 0.1599 | 0.1528 | 0.1173 | 0.1003 | 0.0826 | 0.2089 |
| 0.1735    | 0.1824 | 0.1311 | 0.1058 | 0.0750 | 0.0637 | 0.0440 | 1.0000 |        |
| art09     |        | 0.1871 | 0.1759 | 0.1149 | 0.1331 | 0.1128 | 0.0989 | 0.1562 |
| 0.1907    | 0.1832 | 0.1594 | 0.0801 | 0.1011 | 0.0868 | 0.0781 | 0.5591 |        |
| art13     |        | 0.2325 | 0.1984 | 0.1236 | 0.1226 | 0.1544 | 0.1187 | 0.1551 |
| 0.1787    | 0.2066 | 0.1833 | 0.0840 | 0.0936 | 0.1131 | 0.0938 | 0.4745 |        |
| art17     |        | 0.1947 | 0.2411 | 0.0940 | 0.0995 | 0.1179 | 0.1517 | 0.1616 |
| 0.1790    | 0.1913 | 0.2146 | 0.0847 | 0.0902 | 0.0831 | 0.1109 | 0.4640 |        |
| goout05   |        | 0.2547 | 0.2699 | 0.2755 | 0.2279 | 0.1969 | 0.1923 | 0.1137 |
| 0.1047    | 0.0843 | 0.1040 | 0.0513 | 0.0499 | 0.0407 | 0.0404 | 0.2112 |        |
| goout09   |        | 0.2660 | 0.2705 | 0.2034 | 0.2446 | 0.1904 | 0.1928 | 0.1287 |
| 0.1551    | 0.1320 | 0.1414 | 0.0495 | 0.0758 | 0.0721 | 0.0585 | 0.1640 |        |
| goout13   |        | 0.3443 | 0.3027 | 0.1648 | 0.1791 | 0.2373 | 0.1906 | 0.1192 |
| 0.1512    | 0.1739 | 0.1582 | 0.0524 | 0.0553 | 0.0959 | 0.0619 | 0.1124 |        |
| goout17   |        | 0.2850 | 0.3412 | 0.1672 | 0.1811 | 0.1980 | 0.2245 | 0.0962 |
| 0.1263    | 0.1235 | 0.1767 | 0.0484 | 0.0560 | 0.0701 | 0.0724 | 0.1350 |        |

|  |  |       |       |       |         |         |         |         |
|--|--|-------|-------|-------|---------|---------|---------|---------|
|  |  | art09 | art13 | art17 | goout05 | goout09 | goout13 | goout17 |
|--|--|-------|-------|-------|---------|---------|---------|---------|

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|         |        |        |        |        |        |        |        |
|---------|--------|--------|--------|--------|--------|--------|--------|
| art09   | 1.0000 |        |        |        |        |        |        |
| art13   | 0.5592 | 1.0000 |        |        |        |        |        |
| art17   | 0.5193 | 0.5618 | 1.0000 |        |        |        |        |
| goout05 | 0.1865 | 0.1959 | 0.1743 | 1.0000 |        |        |        |
| goout09 | 0.1956 | 0.1982 | 0.1721 | 0.5363 | 1.0000 |        |        |
| goout13 | 0.1462 | 0.2170 | 0.1504 | 0.4233 | 0.5176 | 1.0000 |        |
| goout17 | 0.1564 | 0.1761 | 0.2270 | 0.4078 | 0.4863 | 0.5027 | 1.0000 |

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.
. log close
  name: <unnamed>
  log:
C:\Users\Julia\Dropbox\Personality_SocialParticipation_Retirement\Collabra_Psychology\3rdsubmission\analysis\Supplement2.log
  log type: text
  closed on: 29 Mar 2021, 13:47:55
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```