

** SPSS SYNTAX FOR CALCULATION OF POSITION GENERATOR MEASURES
FROM SETS OF DICHOTOMOUS ITEMS

** This example for a set of 18 consecutive items, from two
waves of data (waveI, waveII)

** To use as single wave, simply delete all lines containing
waveII

** And measures calculating differences in scores between
waves

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** PG total number of items accessed

COMPUTE

PGnumwaveI=PGwaveI01+PGwaveI02+PGwaveI09+PGwaveI10+PGwaveI11+P
GwaveI12+PGwaveI13+PGwaveI14+PGwaveI15+PGwaveI16+PGwaveI18+PGw
aveI19+PGwaveI20+PGwaveI22+PGwaveI24+PGwaveI25+PGwaveI29+PGwav
eI30.

PGnumwaveII=PGwaveII01+PGwaveII02+PGwaveII08+PGwaveII09+PGwave
II10+PGwaveII12+PGwaveII13+PGwaveII14+PGwaveII15+PGwaveII16+PG
waveII18+PGwaveII19+PGwaveII20+PGwaveII22+PGwaveII24+PGwaveII2
5+PGwaveII29+PGwaveII30.

EXECUTE.

** PG measures based on prestige or ISEI values from here.
Examples below include example scores at end of each line -
adjust for your own items

** Items marked PGP contain prestige value for occupation if
known, zero if not

COMPUTE PGPwaveI01=PGwaveI01*87.

COMPUTE PGPwaveI02=PGwaveI02*30.

COMPUTE PGPwaveI03=PGwaveI03*61.

COMPUTE PGPwaveI04=PGwaveI04*65.

COMPUTE PGPwaveI05=PGwaveI05*83.

COMPUTE PGPwaveI06=PGwaveI06*59.

COMPUTE PGPwaveI07=PGwaveI07*51.

COMPUTE PGPwaveI08=PGwaveI08*71.

COMPUTE PGPwaveI09=PGwaveI09*50.

COMPUTE PGPwaveI10=PGwaveI10*64.

COMPUTE PGPwaveI11=PGwaveI11*50.

COMPUTE PGPwaveI12=PGwaveI12*53.

COMPUTE PGPwaveI13=PGwaveI13*54.

COMPUTE PGPwaveI14=PGwaveI14*38.

COMPUTE PGPwaveI15=PGwaveI15*34.

COMPUTE PGPwaveI16=PGwaveI16*39.

COMPUTE PGPwaveI17=PGwaveI17*29.

COMPUTE PGPwaveI18=PGwaveI18*30.

COMPUTE PGPwaveII01=PGwaveII01*87.

```
COMPUTE PGPwaveII02=PGwaveII02*30.
COMPUTE PGPwaveII03=PGwaveII03*61.
COMPUTE PGPwaveII04=PGwaveII04*65.
COMPUTE PGPwaveII05=PGwaveII05*83.
COMPUTE PGPwaveII06=PGwaveII06*59.
COMPUTE PGPwaveII07=PGwaveII07*51.
COMPUTE PGPwaveII08=PGwaveII08*71.
COMPUTE PGPwaveII09=PGwaveII09*50.
COMPUTE PGPwaveII10=PGwaveII10*64.
COMPUTE PGPwaveII11=PGwaveII11*50.
COMPUTE PGPwaveII12=PGwaveII12*53.
COMPUTE PGPwaveII13=PGwaveII13*54.
COMPUTE PGPwaveII14=PGwaveII14*38.
COMPUTE PGPwaveII15=PGwaveII15*34.
COMPUTE PGPwaveII16=PGwaveII16*39.
COMPUTE PGPwaveII17=PGwaveII17*29.
COMPUTE PGPwaveII18=PGwaveII18*30.
EXECUTE.
```

** In order to properly calculate average, lowest, and range of accessed prestige, values '0' are temporarily disabled

```
RECODE PGPwaveI01 PGPwaveI02 PGPwaveI03 PGPwaveI04 PGPwaveI05
PGPwaveI06 PGPwaveI07 PGPwaveI08 PGPwaveI09 PGPwaveI10
PGPwaveI11 PGPwaveI12 PGPwaveI13 PGPwaveI14 PGPwaveI15
PGPwaveI16 PGPwaveI17 PGPwaveI18
PGPwaveII01 PGPwaveII02 PGPwaveII03 PGPwaveII04 PGPwaveII05
PGPwaveII06 PGPwaveII07 PGPwaveII08 PGPwaveII09 PGPwaveII10
PGPwaveII11 PGPwaveII12 PGPwaveII13 PGPwaveII14 PGPwaveII15
PGPwaveII16 PGPwaveII17 PGPwaveII18 (0=SYSMIS).
EXECUTE.
```

** Highest accessed prestige

```
COMPUTE
PGhighwaveI=MAX(PGPwaveI01,PGPwaveI02,PGPwaveI03,PGPwaveI04,PG
PwaveI05,PGPwaveI06,PGPwaveI07,PGPwaveI08,PGPwaveI09,PGPwaveI1
0,PGPwaveI11,PGPwaveI12,PGPwaveI13,PGPwaveI14,PGPwaveI15,PGPwa
veI16,PGPwaveI17,PGPwaveI18).
COMPUTE
PGhighwaveII=MAX(PGPwaveII01,PGPwaveII02,PGPwaveII03,PGPwaveII
04,PGPwaveII05,PGPwaveII06,PGPwaveII07,PGPwaveII08,PGPwaveII09
,PGPwaveII10,PGPwaveII11,PGPwaveII12,PGPwaveII13,PGPwaveII14,P
GPwaveII15,PGPwaveII16,PGPwaveII17,PGPwaveII18).
EXECUTE.
```

** Lowest accessed prestige

COMPUTE

PGlowwaveI=MIN(PGPwaveI01,PGPwaveI02,PGPwaveI03,PGPwaveI04,PGPwaveI05,PGPwaveI06,PGPwaveI07,PGPwaveI08,PGPwaveI09,PGPwaveI10,PGPwaveI11,PGPwaveI12,PGPwaveI13,PGPwaveI14,PGPwaveI15,PGPwaveI16,PGPwaveI17,PGPwaveI18).

COMPUTE

PGlowwaveII=MIN(PGPwaveII01,PGPwaveII02,PGPwaveII03,PGPwaveII04,PGPwaveII05,PGPwaveII06,PGPwaveII07,PGPwaveII08,PGPwaveII09,PGPwaveII10,PGPwaveII11,PGPwaveII12,PGPwaveII13,PGPwaveII14,PGPwaveII15,PGPwaveII16,PGPwaveII17,PGPwaveII18).

EXECUTE.

** Range in accessed prestige

COMPUTE PGranwaveI=PGhighwaveI- PGlowwaveI.

COMPUTE PGranwaveII=PGhighwaveII- PGlowwaveII.

EXECUTE.

** Average accessed prestige

COMPUTE

PGaverwaveI=MEAN(PGPwaveI01,PGPwaveI02,PGPwaveI03,PGPwaveI04,PGPwaveI05,PGPwaveI06,PGPwaveI07,PGPwaveI08,PGPwaveI09,PGPwaveI10,PGPwaveI11,PGPwaveI12,PGPwaveI13,PGPwaveI14,PGPwaveI15,PGPwaveI16,PGPwaveI17,PGPwaveI18).

COMPUTE

PGaverwaveII=MEAN(PGPwaveII01,PGPwaveII02,PGPwaveII03,PGPwaveII04,PGPwaveII05,PGPwaveII06,PGPwaveII07,PGPwaveII08,PGPwaveII09,PGPwaveII10,PGPwaveII11,PGPwaveII12,PGPwaveII13,PGPwaveII14,PGPwaveII15,PGPwaveII16,PGPwaveII17,PGPwaveII18).

EXECUTE.

** Total accessed prestige

COMPUTE

PGtotalwaveI=SUM(PGPwaveI01,PGPwaveI02,PGPwaveI08,PGPwaveI09,PGPwaveI10,PGPwaveI12,PGPwaveI13,PGPwaveI14,PGPwaveI15,PGPwaveI16,PGPwaveI18,PGPwaveI19,PGPwaveI20,PGPwaveI22,PGPwaveI24,PGPwaveI25,PGPwaveI29,PGPwaveI30).

COMPUTE

PGtotalwaveII=SUM(PGPwaveII01,PGPwaveII02,PGPwaveII09,PGPwaveII10,PGPwaveII11,PGPwaveII12,PGPwaveII13,PGPwaveII14,PGPwaveII15,PGPwaveII16,PGPwaveII18,PGPwaveII19,PGPwaveII20,PGPwaveII22,PGPwaveII24,PGPwaveII25,PGPwaveII29,PGPwaveII30).

EXECUTE.

** In order to make your dichotomous PG items usable again
(for e.g. scale analyses), enable '0' again

```
RECODE PGPwaveI01 PGPwaveI02 PGPwaveI03 PGPwaveI04 PGPwaveI05
PGPwaveI06 PGPwaveI07 PGPwaveI08 PGPwaveI09 PGPwaveI10
PGPwaveI11 PGPwaveI12 PGPwaveI13 PGPwaveI14 PGPwaveI15
PGPwaveI16 PGPwaveI17 PGPwaveI18
PGPwaveII01 PGPwaveII02 PGPwaveII03 PGPwaveII04 PGPwaveII05
PGPwaveII06 PGPwaveII07 PGPwaveII08 PGPwaveII09 PGPwaveII10
PGPwaveIII11 PGPwaveIII12 PGPwaveIII13 PGPwaveIII14 PGPwaveIII15
PGPwaveIII16 PGPwaveIII17 PGPwaveIII18 (SYSMIS=0).
EXECUTE.
```

** Check what these variables look like
** Number of items, average and total prestige should look
like normal distributions

```
GRAPH
  /HISTOGRAM= PGnumwaveI.
GRAPH
  /HISTOGRAM= PGnumwaveII.
GRAPH
  /HISTOGRAM=PGhighwaveI.
GRAPH
  /HISTOGRAM=PGhighwaveII.
GRAPH
  /HISTOGRAM=PGlowwaveI.
GRAPH
  /HISTOGRAM=PGlowwaveII.
GRAPH
  /HISTOGRAM=PGgranwaveI.
GRAPH
  /HISTOGRAM=PGgranwaveII.
GRAPH
  /HISTOGRAM=PGaverwaveI.
GRAPH
  /HISTOGRAM=PGaverwaveII.
GRAPH
  /HISTOGRAM=PGtotalwaveI.
GRAPH
  /HISTOGRAM=PGtotalwaveII.
```

** For multiple waves, computation of changes in measures over
the years

```
COMPUTE PGnumgainwaveIwaveII=PGnumwaveII-PGnumwaveI.
COMPUTE PGhighgainwaveIwaveII=PGhighwaveII-PGhighwaveI.
COMPUTE PGlowngainwaveIwaveII=PGlowwaveII-PGlowwaveI.
COMPUTE PGrangainwaveIwaveII=PGranwaveII-PGranwaveI.
```

```
COMPUTE PGavergainwaveIwaveII=PGaverwaveII-PGaverwaveI.  
COMPUTE PGtotalgainwaveIwaveII=PGtotalwaveII-PGtotalwaveI.  
EXECUTE.
```

```
** Check what these variables look like
```

```
GRAPH  
  /HISTOGRAM= PGnumgainwaveIwaveII.  
GRAPH  
  /HISTOGRAM= PGhighgainwaveIwaveII.  
GRAPH  
  /HISTOGRAM= PGlowngainwaveIwaveII.  
GRAPH  
  /HISTOGRAM= PGrangainwaveIwaveII.  
GRAPH  
  /HISTOGRAM= PGavergainwaveIwaveII.  
GRAPH  
  /HISTOGRAM= PGtotalgainwaveIwaveII.
```