

## Syntax for computing individual differences in affective-cognitive structural bases

See also:

Huskinson, T. L. H., & Haddock, G. (2004). Individual differences in attitude structure: Variance in the chronic reliance on affective and cognitive information. *Journal of Experimental Social Psychology*, 40, 82-90.

See, Y.H.M., Petty, R.E., & Fabrigar, L.R. (2008). Affective and cognitive meta-bases of attitudes: Unique effects on information interest and persuasion. *Journal of Personality and Social Psychology*, 94, 938-955.

```
COMPUTE attbc = (bctatt1 + bctatt2 + bctatt3 + bctatt4) / 4 .
```

```
VARIABLE LABELS attbc 'mean attitude for birth control' .
```

```
EXECUTE .
```

```
COMPUTE attbl = (bldatt1 + bldatt2 + bldatt3 + bldatt4) / 4 .
```

```
VARIABLE LABELS attbl 'mean attitude for bld donation' .
```

```
EXECUTE .
```

```
COMPUTE attchc = (chcatt1 + chcatt2 + chcatt3 + chcatt4) / 4 .
```

```
VARIABLE LABELS attchc 'mean attitude for chocolates' .
```

```
EXECUTE .
```

```
COMPUTE attsp = (spdatt1 + spdatt2 + spdatt3 + spdatt4) / 4 .
```

```
VARIABLE LABELS attsp 'mean attitude for spiders' .
```

```
EXECUTE .
```

```
COMPUTE attsnk = (snkatt1 + snkatt2 + snkatt3 + snkatt4) / 4 .
```

```
VARIABLE LABELS attsnk 'mean attitude for snakes' .
```

```
EXECUTE .
```

```
COMPUTE afstrlbbc = (bctaff1 + bctaff2 + bctaff3 + bctaff4 + bctaff5 + bctaff6 + bctaff7 + bctaff8) / 8.
```

```
VARIABLE LABELS afstrlbbc 'mean affect for birth control' .
```

```
EXECUTE .
```

```
COMPUTE afstrlbbl = (bldaff1 + bldaff2 + bldaff3 + bldaff4 + bldaff5 + bldaff6 + bldaff7 + bldaff8) / 8 .  
VARIABLE LABELS afstrlbbl 'mean affect for blood donation' .  
EXECUTE .
```

```
COMPUTE afstrlbhc = (chcaff1 + chcaff2 + chcaff3 + chcaff4 + chcaff5 + chcaff6 + chcaff7 + chcaff8) /  
8 .  
VARIABLE LABELS afstrlbhc 'mean affect for chocolates' .  
EXECUTE .
```

```
COMPUTE afstrlbsnk = (snkaff1 + snkaff2 + snkaff3 + snkaff4 + snkaff5 + snkaff6 + snkaff7 + snkaff8) /  
8 .  
VARIABLE LABELS afstrlbsnk 'mean affect for snakes' .  
EXECUTE .
```

```
COMPUTE afstrlbsp = (spdaff1 + spdaff2 + spdaff3 + spdaff4 + spdaff5 + spdaff6 + spdaff7 + spdaff8)  
/ 8 .  
VARIABLE LABELS afstrlbsp 'mean affect for spiders' .  
EXECUTE .
```

```
COMPUTE cgstrlbbc = (bctcog1 + bctcog2 + bctcog3 + bctcog4 + bctcog5 + bctcog6 + bctcog7) / 7 .  
VARIABLE LABELS cgstrlbbc 'mean cognition for birth control' .  
EXECUTE .
```

```
COMPUTE cgstrlbbl = (bldcog1 + bldcog2 + bldcog3 + bldcog4 + bldcog5 + bldcog6 + bldcog7) / 7 .  
VARIABLE LABELS cgstrlbbl 'mean cognition for blood donation' .  
EXECUTE .
```

```
COMPUTE cgstrlbhc = (chccog1 + chccog2 + chccog3 + chccog4 + chccog5 + chccog6 + chccog7) / 7 .  
VARIABLE LABELS cgstrlbhc 'mean cognition for chocolates' .
```

EXECUTE .

COMPUTE cgstrlbsnk = (snkcog1 + snkcog2 + snkcog3 + snkcog4 + snkcog5 + snkcog6 + snkcog7) / 7 .

VARIABLE LABELS cgstrlbsnk 'mean cognition for snakes' .

EXECUTE .

COMPUTE cgstrlbsp = (spdcog1 + spdcog2 + spdcog3 + spdcog4 + spdcog5 + spdcog6 + spdcog7) / 7 .

VARIABLE LABELS cgstrlbsp 'mean cognition for spiders' .

EXECUTE .

Compute sumafat = afstrlbbc\*attbc + afstrlbchc\*attchc + afstrlbspd\*attspd + afstrlbbl\*attbl + afstrlbsnk\*attnk.

Execute.

Compute sumaf = sum (afstrlbbc, afstrlbchc, afstrlbsnk, afstrlbbl, afstrlbspd).

Execute.

compute sumat = sum (attbc, attchc, attnk, attbl, attspd).

execute.

compute sumafsq = sum (afstrlbbc\*\*2, afstrlbchc\*\*2, afstrlbspd\*\*2, afstrlbbl\*\*2, afstrlbsnk\*\*2).

execute.

compute sumatsq = sum (attbc\*\*2, attchc\*\*2, attspd\*\*2, attbl\*\*2, attnk\*\*2).

execute.

compute corrafat = (sumafat - sumaf\*sumat/5) / sqrt((sumafsq - (sumaf\*\*2)/5)\*(sumatsq - (sumat\*\*2)/5)).

variable labels corrafat 'within-participant correlation between affect and attitudes for the five objects'.

execute.

*(Note: For formula above, divide by N for N objects. For example, divide by 7 instead of 5 for 7 objects)*

```
compute sumcgat = cgstrlbcc*attbc + cgstrlbhc*attchc + cgstrlbsnk*attsnk + cgstrlbbl*attbl +  
cgstrlbspd*attspd.
```

```
execute.
```

```
compute sumcg = sum (cgstrlbcc, cgstrlbhc, cgstrlbsnk, cgstrlbbl, cgstrlbspd).
```

```
execute.
```

```
compute sumcgsq = sum (cgstrlbcc**2, cgstrlbhc**2, cgstrlbsnk**2, cgstrlbbl**2, cgstrlbspd**2).
```

```
execute.
```

```
compute corrcgat = (sumcgat - sumcg*sumat/5)/ sqrt((sumcgsq - (sumcg**2)/5)*(sumatsq-  
(sumat**2)/5)).
```

```
variable labels corrcgat 'within-participant correlation between cognition and attitudes for the five  
objects'.
```

```
execute.
```

*(Note: For formula above, divide by N for N objects. For example, divide by 7 instead of 5 for 7 objects)*

```
COMPUTE fishcgat = .5 * (LN(1+corrcgat) - LN(1-corrcgat)) .
```

```
variable labels fishcgat 'Fisher-transformed cognition-attitude correlation'.
```

```
EXECUTE .
```

```
COMPUTE fishafat = .5 * (LN(1+corrafat) - LN(1-corrafat)) .
```

```
variable labels fishafat 'Fisher-transformed affect-attitude correlation'.
```

```
EXECUTE .
```

```
compute fcorrd = fishafat - fishcgat.
```

```
variable labels fcorrd 'affective-cognitive meta-bases i.e. fishafat - fishcgat '.
```

```
execute.
```

