Sep 03, 07 4:44 **x2_4.sas** Page 1/1

```
/* x2_4.sas */
/* Purpose:  */

title1 'Example 2.4 (note: proc corr cannot analyse type=corr data=>artificial e

data a;
input a b c;
cards;
3 6 5
7 4 5
8 3 5
3 4 5
6 5 2
3 7 8
;

proc print data=a;
title2 'List of data';

proc corr data=a;
  var a b c;
title2 'Correlations and (individual) tests of if they are zero.';

proc corr data=a;
  partial a;
  var b c;
title2 'Partial correlations and (individual) tests of if they are zero.';

run;
```

Example 2.4 (note: proc corr cannot analyse type=corr data=>artificial example 1
List of data

Obs	a	b	c
1	3	6	5
2	7	4	5
3	8	3	5
4	3	4	5
5	6	5	2
6	3	7	8

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Example 2.4 (note: proc corr cannot analyse type=corr data=>artificial example 2
Correlations and (individual) tests of if they are zero.

The CORR Procedure

3 Variables: a b c

Simple Statistics

Variable	N	Mean	Std Dev	Sum	Minimum	Maximum
a	6	5.00000	2.28035	30.00000	3.00000	8.00000
b	6	4.83333	1.47196	29.00000	3.00000	7.00000
c	6	5.00000	1.89737	30.00000	2.00000	8.00000

Pearson Correlation Coefficients, N = 6
Prob > |r| under H0: Rho=0

	a	b	c
a	1.00000	-0.71501 0.1103	-0.41603 0.4120
b	-0.71501 0.1103	1.00000	0.42967 0.3952
c	-0.41603 0.4120	0.42967 0.3952	1.00000

Example 2.4 (note: proc corr cannot analyse type=corr data=>artificial example 3
Partial correlations and (individual) tests of if they are zero.

The CORR Procedure

1 Partial Variables: a
2 Variables: b c

Simple Statistics

Variable	N	Mean	Std Dev	Sum	Minimum	Maximum
a	6	5.00000	2.28035	30.00000	3.00000	8.00000
b	6	4.83333	1.47196	29.00000	3.00000	7.00000
c	6	5.00000	1.89737	30.00000	2.00000	8.00000

Simple Statistics

Variable	Partial Variance	Partial Std Dev
a		
b	1.32372	1.15053
c	3.72115	1.92903

Pearson Partial Correlation Coefficients, N = 6
Prob > |r| under H0: Partial Rho=0

	b	c
b	1.00000	0.20796 0.7371
c	0.20796 0.7371	1.00000