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NOTE: SAS (r) Proprietary Software 9.4 (TS1M2)

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NOTE: This session is executing on the X64_7PRO platform.

NOTE: Updated analytical products:

SAS/STAT 13.2
 SAS/ETS 13.2
 SAS/OR 13.2
 SAS/IML 13.2
 SAS/QC 13.2

NOTE: Additional host information:

X64_7PRO WIN 6.1.7601 Service Pack 1 Workstation

NOTE: SAS initialization used:

real time 0.09 seconds
 cpu time 0.10 seconds

```

1      ods graphics on;
2      *****
2      ! ****
3      *   Program Name       : ordalpha.sas
4      *
5      *   Purpose of Code   : ordinal alpha reliability
6      *
7      *   Author/Date      : Modified by RH and KS, Dec 11 2015.
8      *   Based on Laura Ring Kapitula, Estimating ordinal reliability using SAS,
9      *   Paper 2042-2014.
10     *   http://www.sascommunity.org/wiki/Estimating_Ordinal_Reliability_Using_SAS%C2%AE
11     *
12     *   Required edits include: dsname (and data), workdir, and progname.
13     *   Within datastep that sets up processing, be sure to name your items from q1 up,
14     *   and set the nitens value.
15     *****
15     ! ***;
16     %let progname=ordalph_setup;
17     %let workdir=C:\projects\CAHPS_MC\PSC\ordinal_reliability;
18     libname mydata "&workdir";
NOTE: Libref MYDATA was successfully assigned as follows:
      Engine:          V9
      Physical Name:  C:\projects\CAHPS_MC\PSC\ordinal_reliability
19
20     /* always output supporting file */
21     ods pdf file="&workdir\&progname..pdf";
NOTE: Writing ODS PDF output to DISK destination
      "C:\projects\CAHPS_MC\PSC\ordinal_reliability\ordalph_setup.pdf", printer "PDF".

```

```

22     footnote2 "Program Name: &progrname..sas on %sysfunc(today(),mmddy10.)
23     %sysfunc(time(),time.)";
24     *****;
25     ** rename items to q1-q.. and set nitems and ds(name);
26     *****;
27     DATA pfddata;
28     SET mydata.pfddata;
29     rename
30     BATHING1 = q1
31     DRESSING1 = q2
32     EATING1 = q3
33     CHAIRS1 = q4
34     WALKING1 = q5
35     TOILET1 = q6;
36     %let nitems=6; * number of items;
37     %let ds=pfddata; * datasetname;
38     RUN;

```

NOTE: There were 366701 observations read from the data set MYDATA.PFDATA.

NOTE: The data set WORK.PFDATA has 366701 observations and 6 variables.

NOTE: DATA statement used (Total process time):

real time	0.04 seconds
cpu time	0.04 seconds

```

39     *****;
40     ** no changes beyond this point;
41     %include "&workdir\ordalpha.mac" /nosource;
196    *options macrogen mprint mlogic symbolgen;
197    %ordalph(ds=&ds,items=q1-q&nitems);

```

NOTE: There were 366701 observations read from the data set WORK.PFDATA.

NOTE: The data set WORK.ITEMDATA has 351254 observations and 7 variables.

NOTE: DATA statement used (Total process time):

real time	0.04 seconds
cpu time	0.04 seconds

NOTE: PROCEDURE SQL used (Total process time):

real time	0.00 seconds
cpu time	0.00 seconds

NOTE: The data set WORK.PEARSONC has 15 observations and 8 variables.

NOTE: The PROCEDURE CORR printed page 1.

NOTE: PROCEDURE CORR used (Total process time):

real time	0.10 seconds
cpu time	0.10 seconds

NOTE: There were 6 observations read from the data set WORK.PEARSONC.
WHERE _type_='CORR';

NOTE: The PROCEDURE PRINT printed page 2.

NOTE: PROCEDURE PRINT used (Total process time):
real time 0.00 seconds
cpu time 0.00 seconds

NOTE: The data set WORK.MYCORR has 36 observations and 3 variables.

NOTE: There were 351254 observations read from the data set WORK.ITEMDATA.

NOTE: PROCEDURE FREQ used (Total process time):
real time 0.10 seconds
cpu time 0.10 seconds

NOTE: Character values have been converted to numeric values at the places given by:
(Line):(Column).
197:220

NOTE: There were 36 observations read from the data set WORK.MYCORR.

NOTE: The data set WORK.MYCORR has 36 observations and 6 variables.

NOTE: DATA statement used (Total process time):
real time 0.01 seconds
cpu time 0.01 seconds

NOTE: There were 36 observations read from the data set WORK.MYCORR.

NOTE: The data set WORK.MYCORR has 36 observations and 6 variables.

NOTE: PROCEDURE SORT used (Total process time):
real time 0.00 seconds
cpu time 0.00 seconds

NOTE: There were 36 observations read from the data set WORK.MYCORR.

NOTE: The data set WORK.POLYCORR has 6 observations and 6 variables.

NOTE: PROCEDURE TRANSPOSE used (Total process time):
real time 0.00 seconds
cpu time 0.00 seconds

NOTE: There were 6 observations read from the data set WORK.POLYCORR.

NOTE: The data set WORK.POLYCORR has 7 observations and 8 variables.

NOTE: DATA statement used (Total process time):
real time 0.00 seconds
cpu time 0.00 seconds

NOTE: There were 6 observations read from the data set WORK.POLYCORR.
WHERE _type_='CORR';

NOTE: The PROCEDURE PRINT printed page 3.

NOTE: PROCEDURE PRINT used (Total process time):
real time 0.01 seconds
cpu time 0.01 seconds

NOTE: The means of one or more variables in the input data set WORK.POLYCORR are missing and are assumed to be 0.

NOTE: The standard deviations of one or more variables in the input data set WORK.POLYCORR are missing and are assumed to be 1.

NOTE: 1 factor will be retained by the NFACTOR criterion.

NOTE: Convergence criterion satisfied.

NOTE: The PROCEDURE FACTOR printed pages 4-7.

NOTE: PROCEDURE FACTOR used (Total process time):
real time 2.01 seconds
cpu time 0.17 seconds

NOTE: IML Ready

NOTE: The data set WORK.ALPHAP has 1 observations and 4 variables.

NOTE: Exiting IML.

NOTE: The PROCEDURE IML printed page 8.

NOTE: PROCEDURE IML used (Total process time):
real time 0.01 seconds
cpu time 0.01 seconds

NOTE: IML Ready

NOTE: The data set WORK.ALPHA has 1 observations and 4 variables.

NOTE: Exiting IML.

NOTE: The PROCEDURE IML printed page 9.

NOTE: PROCEDURE IML used (Total process time):
real time 0.01 seconds
cpu time 0.01 seconds

NOTE: ODS PDF printed 10 pages to
C:\projects\CAHPS_MC\PSC\ordinal_reliability\ordalph_setup.pdf.
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NOTE: SAS Institute Inc., SAS Campus Drive, Cary, NC USA 27513-2414

NOTE: The SAS System used:
real time 2.54 seconds
cpu time 0.71 seconds