23

Model Building with Big Complete and Incomplete Data

Appendix 23.A NMISS

libname ca 'c:\0-CCA_PCA';

PROC MEANS data=ca.CCA_PCA nmiss;
var X2-X24;
run;

Appendix 23.B Testing CCA Samsizes

data ca.CCA_PCA;
set ca.CCA_PCA;
/* trial and error for different subsets of variables with small NMISS */
CCA_SAMSIZE_ X11_X13X19X21=NMISS (of X11, X12, X13, X19, X21);
CCA=.;
if CCA_SAMSIZE_ X11_X13X19X21 eq 0 then CCA=1;
if CCA_SAMSIZE_ X11_X13X19X21 ne 0 then CCA=0;
run;

```
PROC FREQ ca.CCA_PCA;
table CCA_SAMSIZE_ X11_X13X19X21 CCA;
run;
```

Appendix 23.C CCA-CIA Datasets

```
data ca.COMPLETES ca.INCOMPLETES;
set ca.CCA_PCA;
if CCA=1 then output ca.COMPLETES;
if CCA=0 then output ca.INCOMPLETES;
run;
```

Appendix 23.D Ones and Zeros

```
data ca.INCOMPLETES;
set ca.INCOMPLETES;

array X(7) X14 X15 X18 X20 X21 X22 X23;
array XX(7) XX14 XX15 XX18 XX20 XX21 XX22 XX23;
do i = 1 to 7;
if X(i)=. then XX(i)=1; else XX(i)=0;
drop i;
end;
run;
```