SAS Syntax for Mantel Haenszel DIF Analyses

**options nodsnferr mcompilenote=all mlogic mprint nocenter;**

**data** rawdata**; set** d1 d2**;**

total=sum(of I1-I31);

**run;**

**proc freq data=**rawdata**;**

**tables** total\*I26\*course/**cmh1 noprint;**

**run;**

**options nodsnferr;**

**%macro *MH*;**

**%do item=1 %to 31;**

**proc freq data=rawdata noprint;**

**tables total\*I&item\*course**

**/cmh1 noprint;**

**Output out=temp cmh1;**

**run;**

**data** tem**p; set** temp**;**

item**=&item;**

**keep** item \_CMHCOR\_ P\_CMHCOR \_MHOR\_**;**

**Run;**

**data** MH**; set** MH temp**;**

**run;**

**proc datasets; delete** temp **;**

**run;**

**%end;**

**%mend;**

**%*MH*;**

**data** MH**; set** MH**;**

**rename** \_CMHCOR\_ = chi P\_CMHCOR=prob \_MHOR\_=alpha**;**

**data** MH**; set** MH**;**

alpha\_inv = 1/alpha;

delta = **-2.35**\***log**(alpha\_inv);

**run**;

**ods rtf** **file=**"XXX.rtf";

**proc** **print**; **format** alpha delta chi prob **F9.5**;

**id** item; **var** chi prob alpha alpha\_inv delta ;

**run**;

**ods rtf close;**