



Free Duplicates Here! Get your
Free Duplicates!

Kristen Harrington
Rho, Inc.

Agenda

- Introduction
- Summary Macro
- Shell File
- Source Program
- Wrap Up
- Questions

Introduction

- Focus of discussion
 - Unique Table Mock with multiple duplicates consisting of various subsets of the same source dataset
 - Common approach – Macro!
 - Added layer – creating individual macro call programs programmatically

Summary Macro

```
%macro aegroups(table=, /*output file name*/  
                pop=,    /*population*/  
                trtgrp=, /*treatment group*/  
                addsub=, /*additional subsets*/  
                rowtxt=, /*row text for first row of the display*/  
                grp=,    /*grouping identifier (ex. country)*/  
                max=,    /*maximum number of categories within the group*/  
                lbl=)    /*group label for the display header*/  
                ;
```

<coding for adverse event frequencies with grouping and subsets>

```
%mend aegroups;
```

.

Shell File

```

/*****
PROJECT:          <Sponsor - StudyID>
PROGRAM:          tablename.sas
PURPOSE:          Create Table tablename
INPUT:            <location of data>
OUTPUT:           <location of output files>\tablename.(log lst)
CALLS:            %aegroups

PROGRAM HISTORY:
DATE              PROGRAMMER          DESCRIPTION
-----
YYYY-MM-DD       Programmer          Create
*****/
<Additional inclusion statements if needed>

/*****
* CALL MACRO *
*****/
%aegroups(table=tablename,
          pop=,
          trtgrp=,
          addsub=,
          rowtxt=,
          grp=,
          max=,
          lbl=
          )
;
```

Source Program

```
%macro MakeTables(shell=,tablename=,trtgrp=,addsub=,rowtxt=,grp=,maxN=,lbl=);
  %*-----;
  %* Copy template shell, modify parameters, and      ;
  %* output individual SAS files                      ;
  %*-----;

  DATA _null_;
    infile "<location of shell macro>\&shell..sas";
    file   "<location of output files>\&tablename..sas";

    input;
      _infile_ = tranwrd(_infile_,"tablename",&tablename);
      _infile_ = tranwrd(_infile_,"pop=", "pop=saffl");
      _infile_ = tranwrd(_infile_,"trtgrp=", "trtgrp=&trtgrp");
      _infile_ = tranwrd(_infile_,"addsub=", "addsub=&addsub");
      _infile_ = tranwrd(_infile_,"rowtxt=", "rowtxt=&rowtxt");
      _infile_ = tranwrd(_infile_," grp=", " grp=&grp");
      _infile_ = tranwrd(_infile_,"max=", "max=&maxn");
      _infile_ = tranwrd(_infile_,"lbl=", "lbl=&lbl");

      put _infile_;

  RUN;
%mend MakeTables;
```

Source Program

```
%maketables(shell=shellgrptable,    /*name of the shell file to read in*/  
            tablename=ae-taa,      /*This was specified as a keyword*/  
            trtgrp=1,  
            addsub=%nrstr(anl01fl='Y'),  
            rowtxt=Number of TEAEs,  
            grp=country,  
            maxN=2,  
            lbl=Pooled Country)
```

Source Program

```
%maketables(...,addsub=%nrstr(anl01fl='Y'),rowtxt=Number of TEAEs,grp=country,maxN=3,lbl=Country)
%maketables(...,addsub=%nrstr(anl02fl='Y'),rowtxt=Number of TEAEs,grp=country,maxN=3,lbl=Country)
%maketables(...,addsub=%nrstr(anl03fl='Y'),rowtxt=Number of TEAEs,grp=country,maxN=3,lbl=Country)

%maketables(...,addsub=%nrstr(anl01fl='Y'),rowtxt=Number of TEAEs,grp=sex,maxN=2,lbl=Gender)
%maketables(...,addsub=%nrstr(anl02fl='Y'),rowtxt=Number of TEAEs,grp=sex,maxN=2,lbl=Gender)
%maketables(...,addsub=%nrstr(anl03fl='Y'),rowtxt=Number of TEAEs,grp=sex,maxN=2,lbl=Gender)

%maketables(...,addsub=%nrstr(anl01fl='Y' and aaser = 'Y'),rowtxt=Number of Serious TEAEs,grp=country,maxN=3,lbl=Country)
%maketables(...,addsub=%nrstr(anl02fl='Y' and aaser = 'Y'),rowtxt=Number of Serious TEAEs,grp=country,maxN=3,lbl=Country)
%maketables(...,addsub=%nrstr(anl03fl='Y' and aaser = 'Y'),rowtxt=Number of Serious TEAEs,grp=country,maxN=3,lbl=Country)

%maketables(...,addsub=%nrstr(anl01fl='Y' and aaser = 'Y'),rowtxt=Number of Serious TEAEs,grp=sex,maxN=2,lbl=Gender)
%maketables(...,addsub=%nrstr(anl02fl='Y' and aaser = 'Y'),rowtxt=Number of Serious TEAEs,grp=sex,maxN=2,lbl=Gender)
%maketables(...,addsub=%nrstr(anl03fl='Y' and aaser = 'Y'),rowtxt=Number of Serious TEAEs,grp=sex,maxN=2,lbl=Gender)
```

Wrap It Up

- What did we do?
- Why is this an improvement?

Questions

