DATA auto ;

INPUT make $ mpg rep78 weight foreign ;

CARDS;

AMC 22 3 2930 0

AMC 17 3 3350 0

AMC 22 . 2640 0

Audi 17 5 2830 1

Audi 23 3 2070 1

BMW 25 4 2650 1

Buick 20 3 3250 0

Buick 15 4 4080 0

Buick 18 3 3670 0

Buick 26 . 2230 0

Buick 20 3 3280 0

Buick 16 3 3880 0

Buick 19 3 3400 0

Cad. 14 3 4330 0

Cad. 14 2 3900 0

Cad. 21 3 4290 0

Chev. 29 3 2110 0

Chev. 16 4 3690 0

Chev. 22 3 3180 0

Chev. 22 2 3220 0

Chev. 24 2 2750 0

Chev. 19 3 3430 0

Datsun 23 4 2370 1

Datsun 35 5 2020 1

Datsun 24 4 2280 1

Datsun 21 4 2750 1

;

RUN;

ods rtf bodytitle file="Example 5 Output.rtf";

proc report data=Auto missing nowd split="/"

style(header)=[textalign=center] style(column)=[textalign=center];

title1 "Auto Data";

footnote "hahahahahahah";

columns make foreign mpg rep78 weight;

define make / Group 'Brand';

define foreign / display 'Foreign';

define mpg / display 'MPG';

define rep78 / display 'Rep 78';

define weight / display 'Weight';

run;

ods rtf text = "I'll bet my car looks better than yours.";

ods rtf close;

proc template;

define style textstyle;

parent=styles.rtf;

style body from body /

topmargin = 0.5in

bottommargin = .5in

leftmargin = 3in

rightmargin = .5in;

style header from header /

foreground=black

background=white

font\_size=8pt

font\_face="arial"

/\*font\_weight= medium\*/

just = R ;

/\* When titles and footnotes \*/

style systemtitle from systemtitle /

font\_size=8pt

font\_face="arial"

font\_style=italic

/\*font\_weight=bold\*/;

style table from table/

frame = box /\*void, box, above/below, vsides/hsides, lhs/rhs \*/

rules = all /\*none, all, cols, rows, groups \*/

cellspacing=0.03pt /\* the space between table cells, allows background to show \*/

borderwidth = 2pt /\* the width of the borders and rules \*/

cellpadding=7 /\* the space between table cell contents and the cell border \*/

just=L;

style byline from byline /

font\_size=8pt

font\_face="arial"

font\_style=roman ;

style data from data /

font\_size=8pt

font\_face="arial"

color = black

background = white;

/\* when using ODS RTF/PDF Text \*/

style usertext from usertext /

foreground=black

font\_size=12pt

font\_style=roman

font\_weight=bold;

end;

run;

\*PROC REPORT TO PRODUCE TABLE

(WORKS FOR OTHER PROCEDURES SUCH AS PROC MEANS, PROC FREQ, PROC UNIVARIATE, PROC TABULATE, PROC REPORT, ETC…);

ods rtf bodytitle file="Example 5 Output.rtf" style=textstyle;

proc report data=Auto missing nowd split="/"

style(header)=[textalign=center] style(column)=[textalign=center];

title1 "Auto Data";

footnote "hahahahahahah";

columns make foreign mpg rep78 weight;

define make / Group 'Brand';

define foreign / display 'Foreign';

define mpg / display 'MPG';

define rep78 / display 'Rep 78';

define weight / display 'Weight';

run;

ods rtf text = "I'll bet my car looks better than yours.";

ods rtf close;

\*PROC TEMPLATE for GRAPHS;

proc template;

define style textstyle2;

parent=Textstyle;

style Graphlabeltext /

fontsize = 5px;

style Graphfonts from GraphFonts /

FONT\_Style = italic

background = green

'GraphValueFont' = ("Aria",5pt)

'GraphLabelFont' = ("Aria",10pt)

'GraphDataFont' = ("Aria",4pt)

'GraphTitleFont' = ("Aria",19pt);

style GraphDataDefault from GraphDataDefault /

color = Red

LineStyle = 1

MarkerSymbol="DIAMOND"

contrastcolor = black;

style GraphData1 from GraphData1 /

color = white

LineStyle = 1

MarkerSymbol="DIAMOND"

contrastcolor = black;

style GraphData2 from GraphData2 /

color = white

LineStyle = 1

MarkerSymbol="DIAMOND"

contrastcolor = black;

style GraphData3 from GraphData3 /

color = green

LineStyle = 1

MarkerSymbol="DIAMOND"

contrastcolor = black;

style GraphData4 from GraphData4 /

color = green

LineStyle = 1

MarkerSymbol="DIAMOND"

contrastcolor = black;

style GraphBox from GraphComponent /

displayopts = "fill|outline"

connect = "mean"

capstyle = "serif";

end;

run;

\*PROC SGPLOT TO PRODUCE BOX BLOT;

ods rtf file="Example 2.rtf" style=textstyle2;

/\*Same Colored Graphs\*/

proc sgplot data = Auto noautolegend ;

title justify = C 'Box Plot' ;

vbox mpg / category = Make

clusterwidth = 0.5 /\*fillattrs=(color=lightgreen)\*/;

XAXIS label="Brand" ;

YAXIS LABEL ="MPG" values=(0 to 35 by 5);

run;

/\*Different Colored Graphs\*/

proc sgplot data = Auto noautolegend ;

title justify = C 'Box Plot' ;

vbox mpg / category = Make group=make

clusterwidth = 0.5;

XAXIS label="Brand" ;

YAXIS LABEL="MPG" values=(0 to 35 by 5) ;

run;

ods rtf close;