/\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

\* Bayer AG

\* Study : 21824 A multi-center, pediatric phase III,

\* non-controlled, open-label trial to evaluate the safety of BAY 94 9027 for

\* prophylaxis and treatment of bleedings in previously treated children aged

\* >6 to 11 years with severe hemophilia A

\* Proj/Subst/GIAD : 949027 / Jivi Bay94-9027, Kogenate N

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

\*Name of program\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/

%iniprog(

name = l\_all\_cars

, print2file = Y

, createRTF = Y

);

/\*

\* Purpose : ##########

\* Programming Spec :

\* Validation Level : 1 - Verification by Review

\* SAS Version : Linux 9.4

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

\* Pre-conditions :

\* Post-conditions :

\* Comments :

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

\* Author(s) : ehghq (Chakrapani Nallamothula) / date: 18MAY2023

\* Reference prog : /var/swan/root/bhc/general/templates/listings/listings3/dev/pgms/l\_gsl\_16\_2\_1\_2\_discon.sas

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/

Data cars(keep= origin make model drivetrain msrp invoice enginesize cylinders horsepower mpg\_city mpg\_highway weight wheelbase length);

set sashelp.cars;

RUN;

\*<\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*;

\*< create listing ;

\*<\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*;

Title 'Listing: Listing of all cars';

%datalist(

data = cars

, page = origin

, by = make

, var = model drivetrain msrp invoice enginesize cylinders horsepower mpg\_city mpg\_highway weight wheelbase length

, order = /\*origin\*/

, freeline = /\*first.origin\*/

, optimal = YES

, maxlen =

, space = 1

, split = "/( )"

, hsplit = '#'

)

%endprog()

/\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

\* Bayer AG

\* Study : 21824 A multi-center, pediatric phase III,

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\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

\*Name of program\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/

%iniprog(name =l\_phy\_char, print2file = Y);

/\*

\* Purpose : ##########

\* Programming Spec :

\* Validation Level : 1 - Verification by Review

\* SAS Version : Linux 9.4

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

\* Pre-conditions :

\* Post-conditions :

\* Comments :

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

\* Author(s) : ehghq (Chakrapani Nallamothula) / date: 16MAY2023

\* Reference prog : /var/swan/root/bhc/general/templates/listings/listings3/dev/pgms/l\_gsl\_16\_2\_1\_2\_discon.sas

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/

Data phy\_char(keep= type horsepower weight wheelbase length);

set sashelp.cars;

RUN;

\*\*\*\*\*\*\*\*\*HORSEPOWER\*\*\*\*\*\*\*\*\*\*\*\*\*\*;

proc sort data=phy\_char;by type;run;

proc means data=phy\_char;

/\* by horsepower type;\*/

class type;

var horsepower;

output out=phy\_char1 min=min mean=mean max=max;

RUN;

proc sort;by type;run;

proc transpose data=phy\_char1 out=phy\_char2;

var type min mean max;

RUN;

Data phy\_char3(rename=(\_NAME\_=N) keep= \_NAME\_ PCT col2 col3 col4 col5 col6 col7);

set phy\_char2;

pct="horsepower";

RUN;

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*weight\*\*\*\*\*\*\*\*\*\*\*\*;

proc means data=phy\_char;

/\* by horsepower type;\*/

class type;

var weight;

output out=phy\_char\_w min=min mean=mean max=max;

RUN;

proc sort;by type;run;

proc transpose data=phy\_char\_w out=phy\_char\_wt;

/\* by type;\*/

var type min mean max;

RUN;

Data phy\_char\_wt1(rename=(\_NAME\_=N) keep= \_NAME\_ PCT col2 col3 col4 col5 col6 col7);

set phy\_char\_wt;

pct="Weight (LBS)";

RUN;

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*wheelbase\*\*\*\*\*\*\*\*\*\*\*\*;

proc means data=phy\_char;

/\* by horsepower type;\*/

class type;

var wheelbase;

output out=phy\_char\_wbs min=min mean=mean max=max;

RUN;

proc sort;by type;run;

proc transpose data=phy\_char\_wbs out=phy\_char\_wbs1;

/\* by type;\*/

var type min mean max;

RUN;

Data phy\_char\_wbs2(rename=(\_NAME\_=N) keep= \_NAME\_ PCT col2 col3 col4 col5 col6 col7);

set phy\_char\_wbs1;

pct="Wheelbase (IN)";

RUN;

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*length\*\*\*\*\*\*\*\*\*\*\*\*;

proc means data=phy\_char;

/\* by horsepower type;\*/

class type;

var wheelbase;

output out=phy\_char\_ln min=min mean=mean max=max;

RUN;

proc sort;by type;run;

proc transpose data=phy\_char\_ln out=phy\_char\_lenth;

/\* by type;\*/

var type min mean max;

RUN;

Data phy\_char\_lenth1(rename=(\_NAME\_=N) keep= \_NAME\_ PCT col2 col3 col4 col5 col6 col7);

set phy\_char\_lenth;

pct="Length (IN)";

RUN;

DATA ALL;

LENGTH PCT $ 20.;

SET phy\_char3 phy\_char\_wt1 phy\_char\_wbs2 phy\_char\_lenth1;

RUN;

DATA ONE TWO;

SET ALL;

IF \_N\_ IN (1,5,9,13) THEN OUTPUT ONE;

ELSE OUTPUT TWO;

RUN;

DATA TWO1(KEEP= PCT N Hybrid SUV Sedan Sports Truck Wagon);

SET TWO;

Hybrid=ROUND(INPUT(COL2,BEST.),4.1);

SUV=ROUND(INPUT(COL3,BEST.),4.1);

Sedan=ROUND(INPUT(COL4,BEST.),4.1);

Sports=ROUND(INPUT(COL5,BEST.),4.1);

Truck=ROUND(INPUT(COL6,BEST.),4.1);

Wagon=ROUND(INPUT(COL7,BEST.),4.1);

RUN;

Title 'Descriptive statistics for physical characteristics of Asian cars';

PROC REPORT DATA=WORK.TWO1 LS=132 PS=60 SPLIT="/" CENTER ;

COLUMN pct n Hybrid SUV Sedan Sports Truck Wagon;

DEFINE N / GROUP FORMAT= $8. WIDTH=8 SPACING=2 LEFT " " ;

DEFINE pct / order SPACING=2 LEFT " " ;

DEFINE Hybrid / DISPLAY FORMAT= BEST9. WIDTH=9 SPACING=2 RIGHT "Hybrid" ;

DEFINE SUV / DISPLAY FORMAT= BEST9. WIDTH=9 SPACING=2 RIGHT "SUV" ;

DEFINE Sedan / DISPLAY FORMAT= BEST9. WIDTH=9 SPACING=2 RIGHT "Sedan" ;

DEFINE Sports / DISPLAY FORMAT= BEST9. WIDTH=9 SPACING=2 RIGHT "Sports" ;

DEFINE Truck / DISPLAY FORMAT= BEST9. WIDTH=9 SPACING=2 RIGHT "Truck" ;

DEFINE Wagon / DISPLAY FORMAT= BEST9. WIDTH=9 SPACING=2 RIGHT "Wagon" ;

RUN;

/\*%datalist(\*/

/\* data = two1\*/

/\* , page =\*/

/\* , by = pct\*/

/\* , var = Hybrid SUV Sedan Sports Truck Wagon\*/

/\* , order = \*//\*origin\*/

/\* , freeline = \*//\*first.origin\*/

/\* , optimal = YES\*/

/\* , maxlen =\*/

/\* , space = 1\*/

/\* , split = "/( )"\*/

/\* , hsplit = '#'\*/

/\* , ignore\_prespace =NO\*/

/\*)\*/

%endprog()

/\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

\* Bayer AG

\* Study : 21824 A multi-center, pediatric phase III,

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\*Name of program\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/

%iniprog(

name = l\_all\_cars

, print2file = Y

, createRTF = Y

);

/\*

\* Purpose : ##########

\* Programming Spec :

\* Validation Level : 1 - Verification by Review

\* SAS Version : Linux 9.4

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

\* Pre-conditions :

\* Post-conditions :

\* Comments :

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

\* Author(s) : ehghq (Chakrapani Nallamothula) / date: 18MAY2023

\* Reference prog : /var/swan/root/bhc/general/templates/listings/listings3/dev/pgms/l\_gsl\_16\_2\_1\_2\_discon.sas

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/

Data cars(keep= origin make model drivetrain msrp invoice enginesize cylinders horsepower mpg\_city mpg\_highway weight wheelbase length);

set sashelp.cars;

RUN;

\*<\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*;

\*< create listing ;

\*<\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*;

Title 'Listing: Listing of all cars';

%datalist(

data = cars

, page = origin

, by = make

, var = model drivetrain msrp invoice enginesize cylinders horsepower mpg\_city mpg\_highway weight wheelbase length

, order = /\*origin\*/

, freeline = /\*first.origin\*/

, optimal = YES

, maxlen =

, space = 1

, split = "/( )"

, hsplit = '#'

)

%endprog()

/\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

\* Bayer AG

\* Study : 21824 A multi-center, pediatric phase III,

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\*Name of program\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/

%iniprog(name =l\_most\_expen, print2file = Y);

/\*

\* Purpose : ##########

\* Programming Spec :

\* Validation Level : 1 - Verification by Review

\* SAS Version : Linux 9.4

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

\* Pre-conditions :

\* Post-conditions :

\* Comments :

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

\* Author(s) : ehghq (Chakrapani Nallamothula) / date: 18MAY2023

\* Reference prog : /var/swan/root/bhc/general/templates/listings/listings3/dev/pgms/l\_gsl\_16\_2\_1\_2\_discon.sas

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/

Data most(keep= type origin make model msrp invoice cylinders horsepower);

set sashelp.cars;

RUN;

proc sort data=most out=most1 nodupkey;

by type;

where origin eq "Asia";

RUN;

\*<\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*;

\*< create listing ;

\*<\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*;

Title 'The most expensive cars manufactured in Asia by type';

%datalist(

data = most1

, page =

, by =

, var = type make model msrp invoice cylinders horsepower

, order =

, freeline =

, optimal = YES

, maxlen =

, space = 1

, split = "/( )"

, hsplit = '#'

, ignore\_prespace =NO

)

%endprog()

/\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

\* Bayer AG

\* Study : 21824 A multi-center, pediatric phase III,

\* non-controlled, open-label trial to evaluate the safety of BAY 94 9027 for

\* prophylaxis and treatment of bleedings in previously treated children aged

\* >6 to 11 years with severe hemophilia A

\* Proj/Subst/GIAD : 949027 / Jivi Bay94-9027, Kogenate N

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

\*Name of program\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/

%iniprog(name =l\_msrp, print2file = Y);

/\*

\* Purpose : ##########

\* Programming Spec :

\* Validation Level : 1 - Verification by Review

\* SAS Version : Linux 9.4

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

\* Pre-conditions :

\* Post-conditions :

\* Comments :

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

\* Author(s) : ehghq (Chakrapani Nallamothula) / date: 12JUN2023

\* Reference prog : /var/swan/root/bhc/general/templates/listings/listings3/dev/pgms/l\_gsl\_16\_2\_1\_2\_discon.sas

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/

Data region\_1(keep= origin new);

set sashelp.cars;

new=msrp-invoice;

RUN;

proc tabulate data=region\_1 out=reg\_all(keep=origin n);

class origin;

table origin\*all ;

RUN;

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*Less than $300\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*;

Data region\_2;

set region\_1;

where new le 300;

RUN;

proc tabulate data =region\_2 out=region\_3(keep=origin n);

class origin ;

table origin ;

RUN;

proc transpose data=region\_3 out=region\_04;

var origin n;

RUN;

data region\_05(keep=col1 pct);

set region\_04;

pct ="Less than $300";

RUN;

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*$300 upto $1000\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*;

Data region\_01;

set region\_1;

where new ge 300 and new le 1000;

RUN;

proc tabulate data =region\_01 out=region\_02(keep=origin n);

class origin ;

table origin ;

RUN;

proc transpose data=region\_02 out=region\_03;

var origin n;

RUN;

data region\_033(keep=col1 col2 pct);

set region\_03;

pct ="$300 up to $1000";

RUN;

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*$1000 to $20000\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*;

Data reg\_1;

set region\_1;

where new ge 1000 and new le 2000;

RUN;

proc tabulate data =reg\_1 out=reg\_2(keep=origin n);

class origin ;

table origin ;

RUN;

proc transpose data=reg\_2 out=reg\_3;

var origin n;

RUN;

data reg\_33(keep=col1 col2 col3 pct);

set reg\_3;

pct ="$1000 up to $2000";

RUN;

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*$2000 to $30000\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*;

Data reg;

set region\_1;

where new ge 2000 and new le 3000;

RUN;

proc tabulate data =reg out=reg1(keep=origin n);

class origin ;

table origin ;

RUN;

proc transpose data=reg1 out=reg2;

var origin n;

RUN;

data reg22(keep=col1 col2 col3 pct);

set reg2;

pct ="$2000 up to $3000";

RUN;

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*Above $3000\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*;

Data re;

set region\_1;

where new ge 3000;

RUN;

proc tabulate data =re out=re1(keep=origin n);

class origin ;

table origin ;

RUN;

proc transpose data=re1 out=re2;

var origin n;

RUN;

data re22(keep=col1 col2 col3 pct);

set re2;

pct ="$3000 and above";

RUN;

data all one;

length pct $50.;

set region\_05 region\_033 reg\_33 reg22 re22;

if \_n\_ in (2,4,6,8,10) then output all;

else output one;

RUN;

Data asia europe usa;

set region\_1;

if origin="Asia" then output asia;

if origin="Europe" then output Europe;

if origin="USA" then output usa;

RUN;

proc sql;

select count(origin) into: Asiaa from asia;

select count(origin) into: europee from Europe;

select count(origin) into: usaa from usa;

QUIT;

%put &asiaa.;

%put &europee.;

%put &usaa.;

DATA fin;

set all;

Asia=col1||' '||'('||put(compress(col1/"&asiaa"\*100), 4.1)||'%)';

USA=col2||' '||'('||put(compress(col2/"&europee"\*100), 4.1)||'%)';

Europe=col3||' '||'('||put(compress(col3/"&usaa"\*100), 4.1)||'%)';

RUN;

data FIN1(KEEP=PCT europe usa asia);

set FIN;

if USA =" (. %)" then USA= 0;

if Europe =" (. %)" then Europe=0;

RUN;

Title 'Difference between MSRP and Invoice price by region';

PROC REPORT DATA=WORK.FIN1 LS=132 PS=60 SPLIT="/" CENTER ;

COLUMN pct Asia Europe USA;

DEFINE pct / DISPLAY FORMAT= $19. WIDTH=16 " " ;

DEFINE Asia / DISPLAY FORMAT= $20. WIDTH=25 SPACING=2 CENTER "Asia N=158(100%)" ;

DEFINE USA / DISPLAY FORMAT= $20. WIDTH=25 SPACING=2 CENTER "USA N=147(100%)" ;

DEFINE Europe / DISPLAY FORMAT= $20. WIDTH=25 SPACING=2 CENTER "Europe N=123(100%)" ;

RUN;

%endprog()