**SAS ASSIGNMENT**

* MANJUNATH

**QUESTION 1**

/\*Question 1\*/

/\* Step A: Create a library pointing to the directory containing customer\_dim \*/

libname customer '/home/u64007678/my\_shared\_file\_links/jhshows0/STA5066';

/\* Step B & C: Create a temporary dataset 'youth' with the specified conditions and only keep the necessary variables \*/

data youth;

set customer.customer\_dim;

where Customer\_Gender = 'F'

and Customer\_Age between 18 and 36

and find(Customer\_Group, 'Gold', 'i') > 0;

run;

proc print data=youth;

run;

data youth;

set customer.customer\_dim(keep=Customer\_Name Customer\_Age Customer\_BirthDate Customer\_Gender Customer\_Group);

where Customer\_Gender = 'F'

and Customer\_Age between 18 and 36

and find(Customer\_Group, 'Gold', 'i') > 0;

run;

proc print data=youth;

run;

**OUTPUT :**

A screenshot of a computer

Description automatically generated

**QUESTION 2:**

/\* Part A: Create a library called prg1 that points to the directory STA5066 \*/

libname prg1 '/home/u64007678/my\_shared\_file\_links/jhshows0/STA5066';

/\* Part B, C, D, and E: Create a temporary dataset 'sports' with the specified conditions,

exclude unnecessary variables, assign labels, and apply formats \*/

data sports;

set prg1.product\_dim(drop=Product\_ID Product\_Line Product\_Group Supplier\_ID);

where Supplier\_Country in ('GB', 'ES', 'NL')

and substr(Product\_Category, length(Product\_Category) - 5) = 'Sports';

label

Product\_Category = 'Sports Category'

Product\_Name = 'Product Name (Abbrev)'

Supplier\_Name = 'Supplier Name (Abbrev)';

format Product\_Name $15. Supplier\_Name $15.;

run;

/\* Part F: Include a PROC CONTENTS step to verify labels and formats \*/

proc contents data=sports;

run;

/\* Part G: Include a PROC PRINT step to display 14 observations from the dataset work.sports \*/

proc print data=sports(obs=14);

run;

**OUTPUT:**

**A screenshot of a computer

Description automatically generated**

**A screenshot of a product list

Description automatically generated**

**QUESTION 3**

/\* Define a library for the exam data set \*/

libname Nhanes3 '/home/u64007678/my\_shared\_file\_links/jhshows0/STA5066';

/\* step A & B :Create a temporary data set 'examsub1' with the specified variables \*/

data work.examsub1;

set Nhanes3.exam;

keep hsageir hssex dmaracer bmpwt bmpht pep6g1 pep6h1 pep6i1 pep6g3 pep6h3 pep6i3 sppfvc sppfev1;

rename hsageir = age hssex = gender dmaracer = race bmpwt = wt\_kg bmpht = ht\_cm

pep6g1 = sbp1 pep6h1 = sbp2 pep6i1 = sbp3 pep6g3 = dbp1 pep6h3 = dbp2 pep6i3 = dbp3;

format pep6g1 pep6h1 pep6i1 pep6g3 pep6h3 pep6i3 8.;

run;

/\* Part C : Print the first 7 observations of 'examsub1\*/

proc print data=work.examsub1 (obs=7);

run;

/\* Part D Display the descriptor portion of the data set 'examsub1' \*/

proc contents data=work.examsub1;

run;

**OUTPUT:**

**A screenshot of a computer

Description automatically generated**

**A table with numbers and letters

Description automatically generated with medium confidence**

**Question 4:**

/\* Part A: Create a library pointing to the location of the lab data set\*/

libname NH '/home/u64007678/my\_shared\_file\_links/jhshows0/STA5066';

/\* Part B & C : Create a temporary SAS data set 'labsub1' with the specified variables \*/

data work.labsub1;

set NH.lab;

keep seqn hgp htp tcp tgp lcp hdp fbpsi crp sgp urp;

run;

/\* Part D : Verify the variables in 'labsub1' using PROC CONTENTS \*/

proc contents data=work.labsub1;

run;

/\* Part E : Print the first 5 observations of the 'labsub1' data set \*/

proc print data=work.labsub1 (obs=5);

run;

**OUTPUT:**

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**A screenshot of a computer

Description automatically generated**

**QUESTION 5:**

/\* Part A: Create a library pointing to the location of the mortality data set \*/

libname nh3 '/home/u64007678/my\_shared\_file\_links/jhshows0/STA5066';

/\* Part B & C Create a temporary SAS data set 'mortsub1' with only observations where eligstat = 1 \*/

data work.mortsub1;

set nh3.mortality;

where eligstat = 1;

keep SEQN MORTSTAT;

label MORTSTAT = 'Mortality Status';

run;

/\* Part D: Verify the descriptor portion of 'mortsub1' using PROC CONTENTS \*/

proc contents data=work.mortsub1;

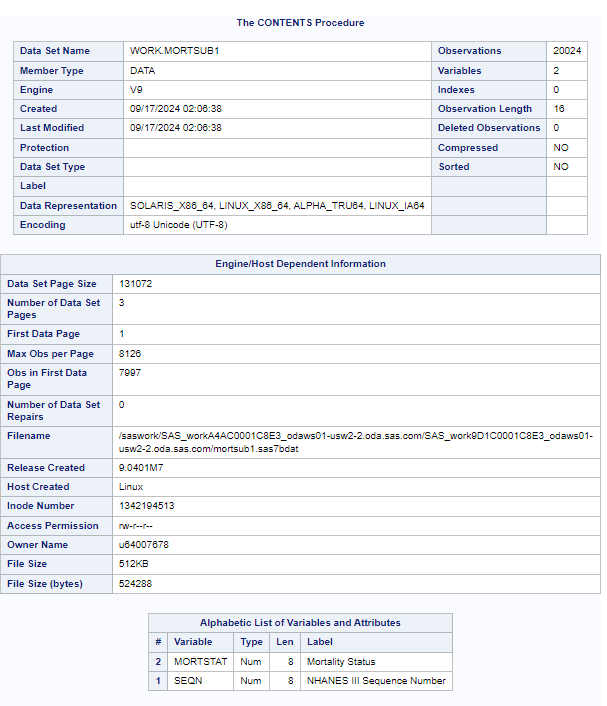
run;

/\* Part E: Print the first 100 observations of the 'mortsub1' data set \*/

proc print data=work.mortsub1 (obs=100);

run;

**OUTPUT:**

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**A screenshot of a computer

Description automatically generated**

**A screenshot of a computer

Description automatically generated**

**A screenshot of a computer screen

Description automatically generated**