# **/\*The SAS program (HEI-2015 Individual Scores using NIH-AARP data)**

# **PerDay.SAS \*/**

**/\*INSTRUCTIONS – complete tasks 1-4 in this section, and run these SAS codes before proceeding to the HEI-2015 scoring program that follows\*/**

/\*1. Create a folder on your computer “home folder”, and save the AARP data, and the required HEI-2015 macro in it. Specify the path to the folder. \*/

%let home = C:\Users\Documents\AARP; /\*In this Example, the “home” folder is in C Drive, within Documents, and is called AARP\*/

/\*2. Libname here specifies the input dataset. \*/

libname in “&home\in\ffq”; /\*In this Example, the AARP data “ffq”, are in a folder called “in”, saved within the “home” folder. This is a SAS dataset. \*/

/\*3. Create a folder in the "Home" folder, where the output file, containing HEI-2015 component and total scores for each respondent, for the intake day, are to be exported. Specify the name of the folder. \*/

filename res “&home\res”; /\*In this Example, the folder is called “RES”, within the “home” folder, and the exported results will be a csv file called “aftermac”. \*/

/\*4. Read in required HEI-2015 scoring macro. This macro must be saved within the home folder. \*/

%include './hei2015.score.macro.sas';

/\*NOTE: Once you have completed all the steps above, all you need to do is run the SAS program below. Unless you used different names for your dataset and folders, no other action is required from you. \*/

TITLE 'FFQ HEI-2015 scores - by person per day';

\*input ffq data;

**data** ffq;

set in.ffq;

/\*\*\*\*CODE TO CALCULATE HEI COMPONENTS\*\*\*\*\*/;

/\*\*\* APPLIES TO THIS SPECIFIC DATA ONLY \*\*\*\*/

\*the following statement should be commented out if using other than AARP data;

mped\_M\_SOY=**0**; \*create a variable and set to zero for AARP only;

/\*step 1: Calculate food group and nutrient intakes

at the individual level\*/

monopoly=(fatmono+fatpoly);

VTOTALLEG=mped\_v\_total+mped\_legumes;

VDRKGRLEG=mped\_v\_drkgr+mped\_legumes;

protlegumes=mped\_legumes\***4**; /\*Convert cup equivalents of Legumes to oz equivalents \*/

PFALLPROTLEG=mped\_M\_MPF+mped\_M\_EGG+mped\_M\_NUTSD+mped\_M\_SOY+protlegumes;

PFSEAPLANTLEG=mped\_M\_FISH\_HI+mped\_M\_FISH\_LO+mped\_M\_SOY+mped\_M\_NUTSD+protlegumes;

**run**;

/\*Section (III): Application of the HEI-2015 scoring algorithm.\*/

\*generate hei scores and nutrient densities;

%***HEI2015*** (indat=ffq,

kcal= calories,

vtotalleg= VTOTALLEG,

vdrkgrleg= VDRKGRLEG,

f\_total= mped\_f\_total,

fwholefrt= mped\_f\_nojuice,

g\_whole= mped\_g\_whl,

d\_total= mped\_d\_total,

pfallprotleg= PFALLPROTLEG,

pfseaplantleg= PFSEAPLANTLEG,

monopoly= MONOPOLY,

satfat= fatsaturated,

sodium= SODIUM,

g\_refined= mped\_G\_NWHL,

add\_sugars= mped\_add\_sug,

outdat=aftermac);

**run**;

**proc** **means** n nmiss min max mean data=aftermac;

title2 'look at all hei 2015 scores....';

var HEI2015C1\_TOTALVEG HEI2015C2\_GREEN\_AND\_BEAN HEI2015C3\_TOTALFRUIT

HEI2015C4\_WHOLEFRUIT HEI2015C5\_WHOLEGRAIN HEI2015C6\_TOTALDAIRY HEI2015C7\_TOTPROT HEI2015C8\_SEAPLANT\_PROT

HEI2015C9\_FATTYACID HEI2015C10\_SODIUM HEI2015C11\_REFINEDGRAIN HEI2015C12\_SFAT HEI2015C13\_ADDSUG HEI2015\_TOTAL\_SCORE;

**run**;

**proc** **export** data= aftermac

file=res

dbms=csv

replace;

**run**;