

Tips of the Road for the Warrior

```

/* this is where the compile macro is saved*/
libname cmp "YOUR DIRECTORY";

/* In this example "cmp" is used in the options below*/

options mprint mlogic mprint merror mstored sasstore=cmp
obs=max;

  /*----VOLUMETRIC DECILE MACRO---*/

/*indat=> refers to the input file */
/*v=> is the variable to be used to compute deciles on*/
/*outdat=> is the resulting file with the decile info*/

/*Store option is used to compile the macro*/
%macro deciles(indat,v,outdat)/store ;
  %let nv=&v._decile; /*decile variable*/

  proc sql; select sum(&v) into:vr from &indat;
  %let vr=&vr; /*grand total*/
  run;
  quit;

  proc sort data=&indat;
  by descending &v; /*data is sorted by variable to be
used in deciles calculations*/
  run;

  data &outdat(compress=Y ); /*fianal dataset*/
  set &indat;
  gtot+&v;
  %do k = 1 %to 10 ;
  if (&k-1)/10 <= gtot/&vr <=&k/10 then &nv = %eval(11-
&k);
  %end ;

  run;
  quit;

%mend;

  /*--END OF DECILE MACRO---*/

```

To run the compile macro. Specify the library name that you used for compilation and point this library where you saved the compile macro. After creating the compile macro, you can move it or copy anywhere.

Below is the code to call your compile macro.

```

libname cmp "MACRO DIRECTORY";
options mprint mlogic mprint
merror mstored sasstore=cmp
obs=max;

%deciles(dec,tot1,newdec);
run;quit;

```

The compile macro can be called from any SAS program

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