

You will use the dataset from the National Alzheimer Coordination Center (NACC) that was used in exercise 1 but only for the first visit.

Perform the following **within proc IML** and provide a paper copy of your SAS code only.

- 1) Read only the following variables into a matrix called CG: NACZZMS, NACCLMI, NACCZLMD, NACCDFT, NACCAGEB.
- 2) Using loops, replace the missing codes 99 and -99 for the following neuropsychological scores: NACZZMS, NACCLMI, NACCZLMD and NACCDFT
- 3) Calculate the mean of the scores: NACZZMS, NACCLMI, NACCZLMD and NACCDFT and name the new variable "Cognition"
- 4) Identify the subjects who have mean cognitive score less than -1.5 (Note: SAS thinks that a missing value is equal to -infinity)
- 5) Export the matrix of the row numbers of subjects from question 4 in a dataset called IMPAIRED.
- 6) Within IML, run a regression (proc REG) with the "Cognition" as the dependent variable and age as the independent variable.