CODING MANUAL FOR COGNITIVE FUNCTION TEST("MMSE or MM EXAM")

SAS DATASET NAME = LMM0_26.SSD01

CONTAINS:
MMSE VARIABLES FOR ORIGINAL COHORT EXAMS 17-26
(MMSE WAS NOT ADMINISTERED BEFORE EXAM 17)

2425 RECORDS

NOTE: this dataset is the most updated version of all previous MMSE
questionaires which were included in the exam datasets. In case of
differences in the values between current dataset (lmm0_26) and previous
exam datasets use lmm0_26 as the most updated version. LMM0_26 should be
used vs the values in the exam data sets.

Convention of variable names for this manual

         # = EXAM CYCLE number

     For example,

              item number 1 "what is the date today?" for
              exam cycle 18, would be mm18_1, item number2
              would be mm18_2, etc.

              total cognitive function score for exam cycle 25
              would be cogscr25, for exam26 total cog score would
              be cogscr26, etc.

Note: since many exam cycles were merged together, if all the variables
for a particular exam cycle are missing (dot in SAS) then most likely,
the test was not administered. To ascertain exam attendence,
use exam dates file.

PID   IDENTIFICATION NUMBER
                 random id

ID   Framingham identification number
                 deleted to preserve confidentiality see pid

COGNITIVE FUNCTION -- PART I

MM#_1   WHAT IS THE DATE TODAY? (MONTH,DAY,YEAR)
(SCORE 1 POINT FOR EACH CORRECT ANSWER)
0 NONE CORRECT
1 1 OF 3 CORRECT
2 2 OF 3 CORRECT
3 3 OF 3 CORRECT
6 NO TRY
. UNKNOWN OR DID NOT TAKE THE TEST

MM#_2   WHAT IS THE SEASON?
(SCORE 1 POINT FOR CORRECT ANSWER)
0 INCORRECT
1 CORRECT
6 NO TRY
. UNKNOWN OR DID NOT TAKE THE TEST

MM#_3   WHAT DAY OF THE WEEK IS IT?
(SCORE 1 POINT FOR CORRECT ANSWER)
0 INCORRECT
1 CORRECT
6 NO TRY
. UNKNOWN OR DID NOT TAKE THE TEST

MM#_4   WHAT TOWN, COUNTY AND STATE ARE WE IN?
(SCORE 1 POINT FOR EACH CORRECT ANSWER)
0 NONE CORRECT
1 1 OF 3 CORRECT
2 2 OF 3 CORRECT
3 3 OF 3 CORRECT
6 NO TRY
. UNKNOWN OR DID NOT TAKE THE TEST

MM#_5   WHAT IS THEN NAME OF THIS PLACE?
(SCORE 1 POINT FOR CORRECT ANSWER)
0 INCORRECT
1 CORRECT
6 NO TRY
. UNKNOWN OR DID NOT TAKE THE TEST

MM#_6   WHAT FLOOR OF THE BUILDING ARE WE ON?
(SCORE 1 POINT FOR CORRECT ANSWER)
0 INCORRECT

1 ONE CORRECT RESPONSE
6 NO TRY
. UNKNOWN OR DID NOT TAKE THE TEST

MM#_7   I AM GOING TO NAME 3 OBJECTS. AFTER I HAVE SAID
     THEM I WANT YOU TO REPEAT THEM BACK TO ME.
     REMEMBER WHAT THEY ARE BECAUSE I WILL ASK YOU TO
     NAME THEM AGAIN IN A FEW MINUTES: APPLE,TABLE,PENNY.
          (SCORE 1 POINT FOR EACH CORRECT ANSWER)
          0 NONE CORRECT
          1 1 OF 3 CORRECT
          2 2 OF 3 CORRECT
          3 3 OF 3 CORRECT
          6 NO TRY
          . UNKNOWN OR DID NOT TAKE THE TEST

RW_WOR#   NOW I AM GOING TO SPELL A WORD FORWARD AND I
     WANT YOU TO SPELL IT BACKWARDS.
     THE WORD IS WORLD. W-O-R-L-D.
     PLEASE SPELL IT IN REVERSE ORDER.
     (LETTERS ARE ENTERED AND SCORED LATER-
          SEE NOTE BELOW ABOUT SCORING THIS VARIABLE)

MM#_8   WHAT ARE THE 3 OBJECTS I ASKED YOU TO REMEMBER
     A FEW MOMENTS AGO?
          (SCORE 1 POINT FOR CORRECT ANSWER)
          0 NONE CORRECT
          1 1 OF 3 CORRECT
          2 2 OF 3 CORRECT
          3 3 OF 3 CORRECT
          6 NO TRY
          . UNKNOWN OR DID NOT TAKE THE TEST

COGNITIVE FUNCTION -- PART II

MM#_9   WHAT IS THIS CALLED? (WATCH)
    (SCORE 1 POINT FOR CORRECT ANSWER)
    0 INCORRECT
    1 CORRECT
    6 NO TRY
    . UNKNOWN OR DID NOT TAKE THE TEST

MM#_10   WHAT IS THIS CALLED? (PENCIL)
    (SCORE 1 POINT FOR CORRECT ANSWER)
    0 INCORRECT
    1 CORRECT
    6 NO TRY
    . UNKNOWN OR DID NOT TAKE THE TEST

MM#_11   PLEASE REPEAT THE FOLLOWING: "NO IFS, ANDS, OR BUTS."
    (SCORE 1 POINT FOR PERFECT RESPONSE)
    0 INCORRECT
    1 PERFECT
    6 NO TRY
    . UNKNOWN OR DID NOT TAKE THE TEST

MM#_12   PLEASE READ THE FOLLOWING AND DO WHAT IS SAYS
    (PERFORMED=1)
    0 INCORRECT
    1 PERFORMED
    6 NO TRY OR LOW VISION
    . UNKNOWN OR DID NOT TAKE THE TEST

MM#_13   PLEASE WRITE A SENTENCE
    (PERFORMED=1)
    0 INCORRECT
    1 PERFORMED
    6 NO TRY OR LOW VISION
    . UNKNOWN OR DID NOT TAKE THE TEST

MM#_14   PLEASE COPY THIS DRAWING
    (PERFORMED=1)
    0 INCORRECT
    1 PERFORMED
    6 NO TRY OR LOW VISION
    . UNKNOWN OR DID NOT TAKE THE TEST

MM#_15   TAKE THIS PIECE OF PAPER IN YOUR RIGHT HAND,

FOLD IT IN HALF WITH BOTH HANDS, AND PUT IT IN YOUR LAP

(SCORE 1 POINT FOR EACH CORRECTLY PERFORMED ACT, CODE 6 IF LOW

VISION)

0 NONE PERFORMED CORRECTLY
1 1 OF 3 PERFORMED
2 2 OF 3 PERFORMED
3 3 OF 3 PERFORMED
6 NO TRY OR LOW VISION
. UNKNOWN OR DID NOT TAKE THE TEST

WORLD#   Note for scoring "world" variable
SEE MASTERWORLD.SAS PROGRAM FOR SCORING
0 POINTS
1 POINT
2 POINTS
3 POINTS
4 POINTS
5 POINTS

COGSCR#   0-30 TOTAL SCORE FOR COGNITIVE FUNCTION TEST

IF TEST WAS ADMINISTERED AND NUMMISS GE 8
ACCORDING TO "NUMMISS" BELOW
    NUMMISS1=NMISS(OF MMCYCLE#_1-MMCYCLE#_7)
    NUMMISS2=NMISS(OF MMCYCLE#_8-MMCYCLE#_15)
    NUMMISS3=NMISS(WORLDCYCLE#)
    NUMMISS=NUMMISS1+NUMMISS2+NUMMISS3
THEN COGSCR# IS MISSING,

IF AN ITEM WAS CODED AS 6=NO TRY THEN THE SCORE FOR THAT
ITEM IS missing (dot). IF AN ITEM WAS CODED A 9=UNKNOWN,
THEN THE SCORE FOR THAT ITEM IS MISSING (DOT).

OTHERWISE

COGSCR#=SUM(MM#_1,MM#_2,MM#_3,MM#_4,MM#_5,MM#_6,MM#_7,WORLD#,

MM#_8,MM#_9,MM#_10,MM#_11,MM#_12,MM#_13,MM#_14,MM#_15).

MAXCOG#   9-30 Maximum score a participant can get based on the questions
he/she answered. For example, If a participant did not answer
a 5 point question, the maximum score will be 25.