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QUESFMT: A Questionnaire
Format Macro File

by

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The file "XCCR:QUESFMT" is a set of *FORMAT macros and functions for the production of questionnaires. A prototype questionnaire using these macros follows the macro descriptions. The prototype questionniare, which is in the file "XCCR:Q.M", may be copied and used to experiment with the macro file. The macros described here are still under development and any suggestions or comments would be appreciated.

For the sake of clarity, all names of macros used in this document will have a leading "|" and will be in upper case. In use, they must be begin with a "|", but may be in either upper or lower case.

The title macro. The title and page headings for the questionnaire are set up with the |TITLE macro. |TITLE takes two arguments, one for each line of the questionnaire and page titles. The second argument is optional, and need not be used if the title has only one line. The line for writing in the questionnaire identification number is written into the macro, and need not be supplied in the argument.

The Question macro. Each question is begun with "|Q". When invoked with no parameter, this macro increments the question number by one automatically. This macro takes an optional parameter which resets current question number. Use of |Q after resetting the question number will proceed from the reset value in increments of one.

The column function. The "|COL" function inserts column numbers in the right margin. |COL takes as a parameter the column width of the current question. It automatically increments the columns by the proper width. For example, |COL(3) suppose that the last data item has occupied through column 34 of the data record. |COL(3) would produce "35-37" in the right margin. |COL should be used at the end of the text following a |Q macro with a single response.

|COL takes an optional second parameter indicating a default code to be filled in, e.g., a "missing data" or "inappropriate" code. In the previous example, |COL(3,999) would produce "35-37/999", indicating that "999" is to be inserted in positions 35 through 37 of the data record if there

were no other answer to the question.

The category macro. "|CAT" is used when there are several responses to a question. The macro takes up to 3 parameters: the text of the answer, the code value of the answer, and the label of a location to branch if there is a skip pattern. The third parameter is optional. The |CAT macro is used in the responses to question 4 of the prototype questionnaire.

A labeled line for filling in. The "|FILLIN" macro generates a 20 column line in the right margin. |FILLIN takes one optional parameter which is the caption to be centered underneath a line. |FILLIN is used in question 5 of the prototype questionnaire. A conditional skip from response 9 of question 4 to question 8 is shown in the prototype questionnaire.

The yes-or-no macro. The "|YN" macro is for questions which can be answered yes or no. It is assumed that a single question will take several |YN macros, and thus each one calls |COL to put column labels in the right margin. |YN takes a single parameter, the text of the yes-or-no question.

The yes-or-no header macro. "|YNHEAD", which takes no arguments, generates the headings for a series of |YN macros.

The yes-only macro. "|Y" is used for lists of things which the respondent is asked is he or she [has | does | owns] something. The |Y macro is similar to the |YN macro, but has only one response.

The six column macro. "|C6" is like the |Y and |YN macros, but produces 6 columns of choices. It too takes only a single parameter, the text of the choice.

The six column header macro. "|C6HEAD" takes six arguments, one for each column in the |C6 layout. The arguments are the labels for coding categories 1 through 6. Arguments too long to fit on a single line will be folded to an appropriate length. (Remember that a macro use must be on a single line, regardless of its number or length of the arguments.)

The skip macro. "|SKIP" is used to mark the beginning of an unconditional branch in the questionnaire. It takes as an argument the label of the destination of the branch, which is used in the |LABEL macro.

The branch label macro. "|LABEL" takes a single parameter, the label which marks the end of the branch from a skip pattern. This macro is used to generate the text of a label which matches the text generated from a skip in the |CAT or |SKIP macros.

The short line macro. "|SL" produces a ten space underline for use in "fill in the blank" questions. |SL takes an optional parameter which is the length of the line if other than ten

spaces are desired.

The full-width line macro. "|LINE" produces a single underline spanning the entire page. |LINE takes a single optional parameter which is the number of such lines desired. Thus, |LINE(5) produces five lines across the bottom of the page.

Prototype Questionnaire   5
For Showing QUESFMT

1. Here is some question text which goes on for several   6
    lines, so that I can get some feeling for whether the
    column mechanism will actually work.   1-2/99   7

4. Here is another question which needs only one column.   3   10

        Good 1   12

        Bad 2   13

        A category so long that it will probably not   14
        fit on a single line. 4

        MD/DK (SKIP TO *** A ***) 9   15

5. What do you do for a living?   4-6/999   16

	OCCUPATION				
6. Does this work?	YES	NO	DK/NA		17
First thing.....................1	1	2	9	7/9	18
Second thing....................1	1	2	9	8/9	19
Third thing, which is far too long to get on a single line.......1	1	2	9	9/9	20

7. What kind of neat stuff does your car have?   21

        Monaural AM Radio only 1   10   22

        Tape player only 1   11   23

        Tape player in   combination   24
        with any of the above 1   12

        DK/DA 1   13   25
                    **************   26
                    * SKIP TO A *
                    ****

8.   How did you find out about the problem with the____?   27

      Don't really know   28
      In the mail ....|
      From No One ....| |
      From the Man ....| | |
      From a Friend ....| | | |
      By myself ....| | | | |
                                     | | | | | |

      Frame or body...............1   2   3   4   5   9   14   29

      Engine......................1   2   3   4   5   9   15   30

      Drive   train   (this in-   31
      cludes   the   transmis-
      sion, drive shaft and
      differential................1   2   3   4   5   9   16

      Front   end   (this   in-   32
      cludes the steering and
      suspension system...........1   2   3   4   5   9   17

      Wheels......................1   2   3   4   5   9   18   33

**************   34
*   A   *
****

9.   What's it all about?   35

      _____   36

      _____

      _____

      _____   37

```
   3                  include xccr:quesfmt                                    INCLUDE
   9                  */j3e/
   4        1         +control list                                          CONTROL LISTING *ON*
   4        1         +list                                                  LISTING *ON*
   4        1         +number                                                LINE NUMBERS *ON*
   4        1         +go                                                    GO

   5        1         |title('Prototype Questionnaire','For Showing QUESFMT')
            LIBRARY: MACRO "TITLE" DEFINED FROM "xccr:qmaclib(100)"

   5        1         +page -2 1 0                                           PAGE NUMBER: 2 1 0
   5        1         +title 1 1                                             RIGHT TITLE LINE,PRINT POSITION: 1 1
   5        1         +go                                                    GO

   6        1         |q Here is some question text which goes on for several lines,
            LIBRARY: MACRO "Q" DEFINED FROM "xccr:qmaclib(108)"
   7        1         so that I can get some feel|-ing for whether the column mechanism
   8        1         will actually work.
   9        1         |col(2,99)
  10        1         |q(4) Here is another question which needs only one column.
  11        1         |col(1)
  12        1         |cat(Good,1)
            LIBRARY: MACRO "CAT" DEFINED FROM "xccr:qmaclib(110)"
  13        1         |cat(Bad,2)
  14        1         |cat('A category so long that it will probably not fit on a single line.',4)
  15        1         |cat(MD//DK,9,A)
  16        1         |q What do you do for a liv|-ing? |col(3,999) |fillin('OCCUPATION')
            LIBRARY: MACRO "FILLIN" DEFINED FROM "xccr:qmaclib(114)"
  17        1         |q Does this work? |ynhead
            LIBRARY: MACRO "YNHEAD" DEFINED FROM "xccr:qmaclib(116)"
  18        1         |yn('First thing')
            LIBRARY: MACRO "YN" DEFINED FROM "xccr:qmaclib(118)"
  19        1         |yn('Second thing')
  20        1         |yn('Third thing, which is far too long to get on a single line.')
  21        1         |q What kind of neat stuff does your car have?
  22        1         |y('Monaural AM Radio only')
            LIBRARY: MACRO "Y" DEFINED FROM "xccr:qmaclib(120)"
  23        1         |y('Tape player only')
  24        1         |y('Tape player in combination with any of the above')
  25        1         |y('DK//DA')
  26        1         |skip(A)
            LIBRARY: MACRO "SKIP" DEFINED FROM "xccr:qmaclib(138)"
  27        1         |q How did you find out about the problem with the |sl(05)|/b/?
            LIBRARY: MACRO "SL" DEFINED FROM "xccr:qmaclib(132)"
  28        2         |c6head('By myself','From a Friend','From the Man','From No One','In the mail','Don''t really know')
            LIBRARY: MACRO "C6HEAD" DEFINED FROM "xccr:qmaclib(122)"
  29        2         |c6('Frame or body')
            LIBRARY: MACRO "C6" DEFINED FROM "xccr:qmaclib(130)"
  30        2         |c6('Engine')
  31        2         |c6('Drive train (this in|-cludes the trans|-mis|-sion, drive shaft and dif|-fer|-ent|-ial')
  32        2         |c6('Front end (this in|-cludes the steer|-ing and sus|-pen|-sion system')
  33        2         |c6('Wheels')
  34        2         |label(A)
            LIBRARY: MACRO "LABEL" DEFINED FROM "xccr:qmaclib(136)"
  35        2         |q What's it all about?
  36        2         |line(3)
            LIBRARY: MACRO "LINE" DEFINED FROM "xccr:qmaclib(134)"
  37        2         |line
```

INPUT: 35 SCARDS, 15 INCLUDED, 58 GENERATED LINES.

STATISTICS: 33 MACRO USES, 51 FUNCTION USES, 19 CONTROL CARDS.

OUTPUT: 2 PAGES, 120 LINES, 302 WORDS, 0 ERRORS.

END