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/* Minor fixes from the Eric Raymond
   ------------------------------------------------------------------------
   This file contains patches and a sample entry program to convert a pdpscomp
   compressed file into a standard PDP-11 binary file. Pdpscomp is a program
   to pack PDP binaries. Pdpscomp originally was not supported by anybody, and
   I have made some changes to the program to make it work. I have also made
   a few bug fixes and added functionality which further improves the
   compression. Pdpscomp is now supported by me. Pdpscomp is a program that
   runs on a PDP-11 under RT-11 and RSX-11M. Pdpscomp takes a binary file
   and a file which describes the binary structure. Pdpscomp then packs the file
   into a file which can be unpacked by the program unpack. Unpack runs on a
   PDP-11 under RT-11 and RSX-11M. Unpack takes the packed file and the
   pdpscomp output file and creates a binary file which is identical to the
   original binary. Unpack can also be used to dump the contents of the packed
   file in a human-readable form. This file has been converted by Cathy Fox following standard conversions
   for posting to the Usenet.
   ------------------------------------------------------------------------
   The original Binary will differ from the unpacked binary only when
   ------------------------------------------------------------------------
   */

#define(
#ifdef(
#ifndef(
#if(
#if defined(
#if defined(
#if defined
```

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        12 "12 PERSONS IN RU"
        13 "13 PERSONS IN RU"
        14 "14 PERSONS IN RU"
        15 "15 PERSONS IN RU"
        16 "16 PERSONS IN RU"
        17 "17 PERSONS IN RU"
        18 "18 PERSONS IN RU"
        2 "2 PERSONS IN RU"
        3 "3 PERSONS IN RU"
        4 "4 PERSONS IN RU"
        5 "5 PERSONS IN RU"
        6 "6 PERSONS IN RU"
        7 "7 PERSONS IN RU"
        8 "8 PERSONS IN RU"
        9 "9 PERSONS IN RU" ;

label define H1510081X
        -1 "-1 INAPPLICABLE"
        -7 "-7 REFUSED"
        -8 "-8 DK"
        -9 "-9 NOT ASCERTAINED"
        1 "1 YES"
        2 "2 NO" ;

label define H1510082X
        -1 "-1 INAPPLICABLE"
        -9 "-9 NOT ASCERTAINED"
        1 "1 SELF-EMPLOYED"
        2 "2 WORKS FOR SOMEONE ELSE" ;

label define H1510083X
        -1 "-1 INAPPLICABLE"
        -7 "-7 REFUSED"
        -8 "-8 DK"
        -9 "-9 NOT ASCERTAINED"
        1 "1 MALE"
        2 "2 FEMALE" ;

label define H1510084X
        -1 "-1 INAPPLICABLE"
        -7 "-7 REFUSED"
        -8 "-8 DK"
        -9 "-9 NOT ASCERTAINED"
        1 "1 YES"
        2 "2 NO" ;

label define H1510085X
        -1 "-1 INAPPLICABLE"
        -7 "-7 REFUSED"
        -8 "-8 DK"
        -9 "-9 NOT ASCERTAINED"
        995 "995 NO SPOUSE IN HOUSE"
        996 "996 MARITAL STATUS UNKNOWN"
        997 "997 LESS THAN 16 YRS OLD" ;

label define H1510086X
        -1 "-1 INAPPLICABLE"
        -7 "-7 REFUSED"
        -8 "-8 DK"
        -9 "-9 NOT ASCERTAINED"
        1 "1 SPOUSE IN THE HOUSE"
        2 "2 NOT MARRIED/NO SPOUSE"
        3 "3 UNDER 16 INAPPLICABLE" ;

label define H1510087X
        -1 "-1 INAPPLICABLE"
        -7 "-7 REFUSED"
        -8 "-8 DK"
        -9 "-9 NOT ASCERTAINED"
        1 "1 NO DIFFICULTY"
        2 "2 SOME DIFFICULTY"
        3 "3 A LOT OF DIFFICULTY"
        4 "4 UNABLE TO DO" ;

label define H1510088X
        -1 "-1 INAPPLICABLE"
        -7 "-7 REFUSED"
        -8 "-8 DK"
        -9 "-9 NOT ASCERTAINED"
        1 "1 NO DIFFICULTY"
        2 "2 SOME DIFFICULTY"
        3 "3 A LOT OF DIFFICULTY"
        4 "4 COMPLETELY UNABLE TO DO IT"
        5 "5 COMPLETELY UNABLE TO WALK" ;

label define H1510089X
        -1 "-1 INAPPLICABLE"
        1 "1 YES"
        2 "2 NO" ;

label define H1510090X
        -1 "-1 INAPPLICABLE"
        1 "1 YES"
        2 "2 NO" ;

label define H1510091X
        -1 "-1 INAPPLICABLE"
        -7 "-7 REFUSED"
        -8 "-8 DK"
        -9 "-9 NOT ASCERTAINED"
        1 "1 YES"
        2 "2 NO" ;

label define H1510092X
        -1 "-1 INAPPLICABLE"
        0 "0.000000 WEIGHT" ;

label define H1510093X
        -1 "-1 INAPPLICABLE"
        0 "0.000000 WEIGHT" ;

label define H1510094X
        -1 "-1 INAPPLICABLE"
        -7 "-7 REFUSED"
        -8 "-8 DK"
        -9 "-9 NOT ASCERTAINED"
        1 "1 NO DIFFICULTY"
        2 "2 SOME DIFFICULTY"
        3 "3 A LOT OF DIFFICULTY"
        4 "4 UNABLE TO DO" ;

label define H1510095X
        -1 "-1 INAPPLICABLE"
        -7 "-7 REFUSED"
        -8 "-8 DK"
        -9 "-9 NOT ASCERTAINED"
        1 "1 YES"
        2 "2 NO" ;

label define H1510096X
        -1 "-1 INAPPLICABLE"
        -7 "-7 REFUSED"
        -8 "-8 DK"
        -9 "-9 NOT ASCERTAINED"
        1 "1 YES"
        2 "2 NO" ;

* ASSOCIATE VARIABLES WITH VALUE LABEL DEFINITIONS;
label value ACTDTY13 H1510001X;
label value ACTLIM13 H1510002X;
label value ADLHLP13 H1510003X;
label value AGE13X H1510004X;
label value AIDHLP13 H1510005X;
label value BEGRFD13 H1510006X;
label value BEGRFM13 H1510007X;
label value BEGRFY13 H1510008X;
label value BENDIF13 H1510009X;
label value COGLIM13 H1510010X;
label value DOBMM H1510011X;
label value DOBYY H1510012X;
label value EDUYRDEG H1510013X;
label value EMPST13 H1510014X;
label value ENDRFD13 H1510015X;
label value ENDRFM13 H1510016X;
label value ENDRFY13 H1510017X;
label value FAMSIZE13 H1510018X;
label value FNGRDF13 H1510019X;
label value FTSTD13X H1510020X;
label value HELD13X H1510021X;
label value HISPANX H1510022X;
label value HISPCAT H1510023X;
label value HISPRCAT H1510024X;
label value HONRDC13 H1510025X;
label value HOUR13 H1510026X;
label value HPRIDK13 H1510027X;
label value HPRIEU13 H1510028X;
label value HPRING13 H1510029X;
label value HPRIOG13 H1510030X;
label value HPRIS13 H1510031X;
label value HPRIV13 H1510032X;
label value HRWAG13X H1510033X;
label value HRWAY13 H1510034X;
label value HSELIM13 H1510035X;
label value IADLHP13 H1510036X;
label value INSCOP13 H1510037X;
label value INSRD13X H1510038X;
label value KEYNESS H1510039X;
label value LFTDIF13 H1510040X;
label value MARRY13X H1510041X;
label value MCAID13 H1510042X;
label value MCAID13X H1510043X;
label value MCARE13 H1510044X;
label value MCARE13X H1510045X;
label value MILDIF13 H1510046X;
label value MNHLTH13 H1510047X;
label value MSA13 H1510048X;
label value NUMEMP13 H1510049X;
label value OFFER13X H1510050X;
label value OTPUBA13 H1510051X;
label value OTPUBB13 H1510052X;
label value PANEL H1510053X;
label value PRIDK13 H1510054X;
label value PRIEU13 H1510055X;
label value PRING13 H1510056X;
label value PRIOG13 H1510057X;
label value PRIOUT13 H1510058X;
label value PRIS13 H1510059X;
label value PRIV13 H1510060X;
label value PROXY13 H1510061X;
label value PSTAT13 H1510062X;
label value PUB13X H1510063X;
label value RACEAX H1510064X;
label value RACEBX H1510065X;
label value RACETHX H1510066X;
label value RACEV1X H1510067X;
label value RACEV2X H1510068X;
label value RACEVER H1510069X;
label value RACEWX H1510070X;
label value RCHDIF13 H1510071X;
label value RDRESP13 H1510072X;
label value REGION13 H1510073X;
label value RFREL13X H1510074X;
label value RTHLTH13 H1510075X;
label value RUCLAS13 H1510076X;
label value RUENDD13 H1510077X;
label value RUENDM13 H1510078X;
label value RUENDY13 H1510079X;
label value RUSIZE13 H1510080X;
label value SCHLIM13 H1510081X;
label value SELFCM13 H1510082X;
label value SEX H1510083X;
label value SOCLIM13 H1510084X;
label value SPOUID13 H1510085X;
label value SPOUIN13 H1510086X;
label value STNDIF13 H1510087X;
label value STPDIF13 H1510088X;
label value STPRG13 H1510089X;
label value TRIWI3X H1510090X;
label value UNABLE13 H1510091X;
label value WGTRU13 H1510092X;
label value WGTSP13 H1510093X;
label value WLKDIF13 H1510094X;
label value WLKLIM13 H1510095X;
label value WRKLIM13 H1510096X;

*DISPLAY A DESCRIPTION OF STATA FILE;
describe;

*LIST FIRST 20 OBSERVATIONS IN THE FILE;
list in 1/20;

save H151, replace;

#delimit cr

* data file is stored in H151.dta
* log  file is stored in H151.log

log close

/*****************************************************************************************
 NOTES:

 1. This program has been tested on Stata Version 10 (for Windows).

 2. This program will create a permanent Stata dataset.  All additional analyses
    can be run using this dataset.  In addition to the dataset, this program creates
    a log file named H151.LOG and a data file named H151.DTA.  If these files (H151.DTA and H151.LOG)
    already exist in the working directory, they will be replaced when this program is executed.

 3. If the program ends prematurely, the log file will remain open.  Before running this
    program again, the user should enter the following Stata command: log close

 4. The cd command assigns C:\MEPS\DATA as the working directory and location of the input
    ASCII and output .DTA and .LOG files and can be modified by the user as necessary.

 5. Stata commands end with a carriage return by default. The command
    #delimit ;
    temporarily changes the command ending delimiter from a carriage return to a semicolon.

 6. The infix command assumes that the input variables are numeric unless the variable name
    is prefaced by str.  For example, DUPERSID is the a string (or character) variable.

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