Subject: Re: Please help! DHS Malawi youth-specific
Posted by Liz-DHS on Thu, 17 Apr 2014 18:00:04 GMT
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Dear User,
Malawi 2010 P49 Table 4.6
I am not a programmer but here is some of the CSPro code for this table "Age at 1st Birth". It may help in figuring things out.

```
 crosstab float(1) T406  v013w+age20t+age25t agebirth+nobirth+nummed
    exclude(specval, rowzero, colzero, totals, percents)
{+US}
    title( "Table 4.6  Age at first birth"," ",
           "Percentage of women age 15-49 who gave birth by exact ages, percentage who",
           "have never given birth, and median age at first birth, according",
           "to current age, Malawi 2010" )
     stub( "Current age" );
{US+}
```

Note:
The row variables are:
v013w - age - Value labels 1 15-19, 2 20-24, 3 25-29, 4 30-34, 5 35-39, 6 40-44, 7 45-49, 8 50-54, 9 55-59
age20 - age - Women Age - Value labels 1 20-49
age25t Value labels 1 25-49
The column variables are:
agebirth - Percentage who gave birth by exact age - Value labels 1 15, 2 18, 3 20, 4 22, 5 25
nobirth - Percentage who have never given birth - Value labels 1 Percentage who have never given birth
nummed - Value labels - 1 number of women, 2 median age at 1st birth

```
 { Table 4.6 processing }
  jtot = tblcol( t406 ) - 1;
  jmax = jtot - 1;
  do j = 0 while j <= jmax by 1
    t406[*,j] = t406[*,j] * 100 / t406[*,jtot];
    if j > 0 & j < jmax then               { to have births by exact ages }
      t406[*,j] = t406[*,j] + t406[*,j-1];   { it's necessary to accumulate }
    endif;
  enddo;
  t406[0,1:jmax-1] = default;               { default row for women 15-19 }
  t406[1,3:jmax-1] = default;               { default row for women 20-24 }
  t406[*,jtot+1] = tblmed( column t406w[*,0:maxage] intervals(highest default) );
  itot = tblrow( t406 );
  t406[itot-1,3:jmax-1] = default;          { default row for women 20-49 }
  do i = 0 while i <= itot by 1
    maxval = (i+3) * 5;
    if i = itot then          { women 25-49 }
      maxval = 25
```

```
    elseif i = itot - 1 then   { women 20-49 }
      maxval = 20
    endif;
    if t406(i,jtot+1) < 0 | t406(i,jtot+1) >= maxval then
      t406(i,jtot+1) = default
    endif;
  enddo;

{   ------------------------------------------------------------ ------------ }
{ table 4.6   }

  box  V212   => agebirth;
       <15    => 1;
      15-17   => 2;
      18-19   => 3;
      20-21   => 4;
      22-24   => 5;
              => notappl;
  endbox;
  nobirth = ( V201 = 0 );
  t = xtab( t406, rweight );
  if emsample then
    agebirth = notappl;
    nobirth  = 1;
    t = xtab( t406, singwgt*rweight );
  endif;
  agemed = V212;
  if V201 = 0 | agemed  > maxage then agemed = maxage endif;
  t = xtab( t406w, rweight );
  if emsample then
    agemed = maxage;
    t = xtab( t406w, singwgt*rweight );
  endif;

P76, Table 6.3 Age at 1st marriage

  crosstab float(1) t603  v013w+age20t+age25t+age20tm+age25tm
                    colt603+nevmarr+numbmed1 isex
    exclude(rowzero,colzero,percents,totals,specval)
{+US}
    title( "Table 6.3  Age at first marriage"," ",
           "Percentage of women and men age 15-49 who were first married by",
           "specific exact ages and median age at first marriage,",
           "according to current age, Malawi 2010" )
     stub( "Current age" );

Row Variables:
v013w - age - Value labels 1 15-19, 2 20-24, 3 25-29, 4 30-34, 5 35-39, 6 40-44, 7 45-49, 8 50-54,
```

9 55-59
age20 - age - Women Age - Value labels 1 20-49
age25t Value labels 1 25-49
Age20tm - value label 1 20-54
age25tm - value label 1 25-54
Column Variables:
Colt603
nevmarr value labels 1 Percentage never married
numbmed1 value labels 1 Number, 2 median age at first marriage

Layer variables:
isex value labels 1 Female, 2 Men

```
 { Table 6.3 processing }
  jtot = tblcol( t603 ) - 1;
  jmax = jtot - 1;
  itot = tblrow( t603 );
  do k = 0 while k <= 1 by 1        { for each sex }
    do j = 0 while j <= jmax by 1
      t603[*,j,k] = t603[*,j,k] * 100 / t603[*,jtot,k];
      if j > 0 & j < jmax then                    { to be married by exact age   }
        t603[*,j,k] = t603[*,j,k] + t603[*,j-1,k];   { it's necessary to accumulate }
      endif;
    enddo;
    t603[0,   1:jmax-1,k] = default;            { default for age 15-19 }
    t603[1,   3:jmax-1,k] = default;            { default for age 20-24 }
    temp = tblrow( t603, age20t );
    t603[temp,3:jmax-1,k] = default;              { default for age 20-49 }
    temp = tblrow( t603, age20tm );
    t603[temp,3:jmax-1,k] = default;            { default for age 20-49, for men }
    t603[*,jtot+1,k] = tblmed( column t603w[*,0:maxage,k] intervals(highest default) );
    { check censoring }
    do i = 0 while i <= itot by 1
      maxval = (i+3) * 5;
      temp = itot - i;          { last four rows need special treatment }
      if temp in 0,2 then       { men 25-59 and men/women 25-49 }
        maxval = 25
      elseif temp in 1,3 then   { men 20-59 and men/women 20-49 }
        maxval = 20
      endif;
      if t603(i,jtot+1,k) < 0 | t603(i,jtot+1,k) >= maxval then
         t603(i,jtot+1,k) = default;
      endif;
    enddo;
  enddo;

{  ------------------------------------------------------------ -------- }
{ table 6.3 women}
```

```
  { assign notappl to men variables }
  age20tm = notappl;
  age20m  = notappl;
  age25tm = notappl;
  age25m  = notappl;

  { now age for women }
  age20t = ( V012 >= 20 );
  age20  = age20t;
  age25t = ( V012 >= 25 );
  age25  = age25t;
  age15  = ( V012 in 15:24 );
  box  V511   => colt603;
        <15  => 1;
       15-17  => 2;
       18-19  => 3;
       20-21  => 4;
       22-24  => 5;
            => notappl;
  endbox;
  if V501 = missing then colt603 = notappl endif;
  nevmarr = ( V501 = 0 );
  t = xtab( t603, rweight );
  if emsample then
     colt603 = notappl;
     nevmarr = 1;
     t = xtab( t603, rweight*singwgt );
  endif;
  agemed = V511;
  if V511 = notappl | V511 > maxage then agemed = maxage endif;
  t = xtab( t603w, rweight );
  if emsample then
     xagemed = agemed;
     agemed  = maxage;
     t = xtab( t603w, rweight*singwgt );
     agemed = xagemed;
  endif;

{  ---------------------------------------------------------- -------- }

{table 6.3 Men}

        box  MV511  => colt603;
              <15  => 1;
             15-17  => 2;
             18-19  => 3;
             20-21  => 4;
```

```
    22-24  => 5;
           => notappl;
endbox;
if MV501 = missing then colt603 = notappl endif;
nevmarr = ( MV501 = 0 );
t = xtab( t603, rweight );
agemed = MV511;
if MV511 = notappl | MV511 > maxage then agemed = maxage endif;
t = xtab( t603w, rweight )
```