DATES in SPSS, an example of Calculating Age From Dates[1]

If you have the variables Year of birth, Month of Birth and Day of birth, and know the date of an interview, it is possible calculate age. The function YRMODA can be used to create a number from a YEAR, MONTH, and DAY. This number is the number of days since October 14, 1582, which is day zero of the Gregorian calendar. Once dates are converted into days, they can be subtracted from other dates that have been changed into days, and months, years, weeks, etc, can be calculated.

In the following example:

```
compute    yrob = 1972.
compute    moob = 12.
compute    daob = 15.
variable labels
   yrob    'Year of birth'
   moob    'Month of birth'
   daob    'Day of birth' .

compute    yrint = 1995 .
compute    moint = 12.
compute    daint = 15 .
variable labels
   yrint   'Year of interview'
   moint   'Month of interview'
   daint   'Day of interview' .

compute gdob  = yrmoda(yrob,moob,daob) .
compute gdinv = yrmoda(yrint,moint,daint) .
variable labels
   gdob    'Day of Birth - Gregorian'
   gdinv   'Day of interview - Gregorian' .

compute age = ( (gdinv - gdob) / 365.25 ) .
variable label age 'Age in Years' .

compute agemo = age * 12 .
variable label agemo 'Age in Months' .

list var = gdob gdinv age agemo  .
```

```
   DOB       DINV      AGE       AGEMO

 142507    150907    23.00     275.98
```