Subject: How to generate Month-Year birth Cohort
Posted by Atazonomics on Wed, 15 May 2024 00:48:34 GMT
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I working on research and I need to group children into month-year cohorts from the IR files of Uganda, Ivory Coast and Nigeria. In the survey rounds 6 or lower, I use the moth of birth and year of birth and use group (b1 b2)and for 7 or 8 wave, i used the following :

```
* Loop through each child's month and year of birth variables
foreach i of numlist 1/20 {
    * Check existence of the month variable
    capture confirm variable b1_`i'
    if _rc != 0 {
        display "Month variable b1_`i' not found. Skipping to next."
        continue
    }

    * Check existence of the year variable
    capture confirm variable b2_`i'
    if _rc != 0 {
        display "Year variable b2_`i' not found. Skipping to next."
        continue
    }

    * Only proceed if both variables are present and not missing
    if !missing(b1_`i', b2_`i') {
        * Convert month and year to strings with proper formatting
        local str_month_`i' = string(b1_`i', "%02.0f")
        local str_year_`i' = string(b2_`i')

        * Concatenate year and month into a cohort variable
        gen cohort_`i' = str_year_`i' + "-" + str_month_`i'
    } else {
        * Explicitly set cohort to missing if either month or year is missing
        gen cohort_`i' = "."
    }
}
```

Both methods did not work .

Please, i look forward to your help as this is holding me up

Thank you