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Subject: cannot reproduce TFR using R-package DHS.rates

Posted by [cfq](#) on Mon, 02 Sep 2019 07:27:06 GMT

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Hi all,

I am trying to reproduce the TFR by India states with the data set IAIR23SV. I am using the R-package DHS.rates and the function fert(). But the TFR values I got are very different from the STATcompiler.

My R code:

```
##-----  
# read in DHS data. I resave the SPSS file into csv format, nothing else is changed  
data.full <- read.csv("IAIR23SV.csv", header = TRUE, stringsAsFactors = FALSE, strip.white =  
TRUE)  
  
# clean the column names of the data file to fit to the fert() function  
new.names <- names(data.full)  
new.names <- tolower(new.names)  
new.names <- gsub(".", "_", new.names, fixed = TRUE)  
names(data.full) <- new.names  
  
# ger TFR  
library(DHS.rates)  
res.t <- fert(data.full, Indicator = "tfr", JK = "Yes", Class = "v024")  
res.t[order(res.t$Class), ] #show results  
##-----
```

Attached are the screen shot of my R code output, and the STATcompiler. You can see none of the TFR values are the same.

There is no error message when I run my R code. Could any one let me know what cause the difference and how can I change my R code in order to get the same results as the STATcompiler? Thanks!

### File Attachments

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- 1) [R code result\\_TFR\\_IndiaStates.png](#), downloaded 897 times
  - 2) [TFR by India states from STATcompiler.png](#), downloaded 853 times
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