
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

- 1) [R code result_TFR_IndiaStates.png](#), downloaded 1343 times
 - 2) [TFR by India states from STATcompiler.png](#), downloaded 1276 times
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