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Subject: Re: Details about KR file

Posted by [Bridgette-DHS](#) on Mon, 26 Mar 2018 11:22:35 GMT

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Following is another response from Senior DHS Stata Specialist, Tom Pullum:

Below I have written some Stata code that construct the BMI categories for the mother and calculate the percentage of children age 0-4 who are stunted for mothers in each of these categories. The log file is attached. For example if the mother is in the lowest category of BMI, 44.5% of children are stunted. If the mother is in the highest category of BMI, only 21.8% of children are stunted. As the BMI of the mother increases, there is a monotonic decline in the percentage of children who are stunted.

```
set more off
```

```
use e:\DHS\DHS_data\KR_files\BDKR72FL.dta, clear
```

```
log using e:\DHS\scratch\logtemp.smcl, replace
```

```
* Child:
```

```
* hw70      int    %8.0g    HW70    height/age standard deviation (new who)
```

```
* hw71      int    %8.0g    HW71    weight/age standard deviation (new who)
```

```
* hw72      int    %8.0g    HW72    weight/height standard deviation (new who)
```

```
* Mother:
```

```
* v445      int    %8.0g    V445    body mass index
```

```
* Note that v445 is bmi x 10
```

```
gen stunted=.
```

```
replace stunted=0 if hw70>-600 & hw70<600
```

```
replace stunted=100 if hw70>-600 & hw70<-200
```

```
gen bmi_category=1
```

```
replace bmi_category=2 if v445>=1700
```

```
replace bmi_category=3 if v445>=1850
```

```
replace bmi_category=4 if v445>=2300
```

```
replace bmi_category=5 if v445>=2500
```

```
replace bmi_category=6 if v445>=3000
```

```
* recommend omitting implausibly high values but this is optional
```

```
replace bmi_category=. if v445>6000
```

```
label define bmi_category 1 "<17" 2 ">=17 and <18.5" 3 ">=18.5 & <23" 4 ">=23 & <25" 5 ">=25 & <30" 6 ">=30"
```

```
label values bmi_category bmi_category
```

```
tab bmi_category stunted [iweight=v005/1000000],m
```

```
svyset [pweight=v005]  
svy: mean stunted,over(bmi_category)
```

## File Attachments

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1) [logtemp.smcl](#), downloaded 532 times

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