

Standard do file format

//Training on Health Statistics in Maldives held on 9-10 July, 2017
organizes by SESRIC, OIC

// Training venue : Civil Service commission (Vellanage 12 floor)

// Expert Md. Abul Kashem Programmer, Bangladesh Bureau of
Statistics, Bangladesh

//This is a practice session very much interactive for the participant

Note: Any command or any line started with asterisk () in the do file
STATA ignore this type of lines or commands

*Double slash (//) use for only write a comments

*Triple slash (///) use for line continuation

One way table

```
use "E:\Training day2\Pop.dta", clear
```

```
table rmo
```

```
table rmo, row
```

```
tabulate rmo
```

```
***rmo variable name***
```

```
*****
```

Exercise: Try yourself using another variable

Two way table

***Note:Any command must be included after coma (,)**

```
table rmo q_12
```

```
table rmo q_12, row col
```

```
tabulate rmo q_12, row col
```

```
tabulate rmo q_12, col row nofreq
```

****rmo, q_12 are variable name*****

Exercise: Try yourself using another variable

Recoding and two way table

```
*****
```

```
*****q_11, q_13 variable name*****
```

```
recode q_11 (1/1=1 "male" ) ///
```

```
(2/2=2 "female" ) ,gen(sex)
```

```
table sex , row col
```

```
table sex , center row col
```

```
recode q_13 (1/1 =1 "Head" ) ///
```

```
(2/2 =2 " Wife" ) ///
```

```
(3/3 =3 " Children" ) ///
```

```
(4/9 =4 "Others" ) , gen(status)
```

```
table status sex
```

Recoding on age

*****q_10 , q_11 variable name*****

***/// (triple slash) use for line continuation

```
recode q_10 ( 0/4 = 1 "0-4" ) ///
```

```
( 5/9 = 2 "5-9" ) ///
```

```
( 10/14 =3 "10-14" ) ///
```

```
( 15/19 =4 "15-19" ) ///
```

```
( 20/24 =5 "20-24" ) ///
```

```
( 25/29 =6 "25-29" ) ///
```

```
( 30/34 =7 "30-34" ) ///
```

```
( 35/39 =8 "35-39" ) ///
```

```
( 40/44 =9 "40-44" ) ///
```

```
( 45/49 =10 "45-49" ) ///
```

```
( 50/54 =11 "50-54" ) ///
```

```
( 55/59 =12 "55-59" ) ///
```

```
( 60/64 =13 "60-64" ) ///
```

```
( 65/99 =14 "65+" ) , gen (agecat)
```

*** Note: table command is produces only frequency table

***** tabulate command will produces percentage table by default

```
table agecat q_11 , row col
```

Recoding on level of education

**** Note: If we want to see only percentage table then add the nofreq option*****

***** agecat, q_11 variable name*****

```
tabulate agecat q_11, col nofreq
```

*****Note: It is mentioned that recode is allow only for numerical values(int,byte,double) variable

*****Now Exercise: Produce three way table*****

```
recode q_20 (1/1 =1 "Literate" ) ///  
          (2/2 =2 " Illiterate" ) ///  
          (0/0 =3 " No edu level" ) , gen(litstat)
```

```
table zila sex litstat, row col
```

*****q_11,q_20 variable name*****

Table by residence and sex

```
//Mortality related indicators*****
use "E:\Training day2\Death_data.dta", clear
*****psu_no is a variable name*****
destring psu_no, generate( psuno ) ignore(" % ")
recode psu_no ( 1/209 = 1 " Barisal" ) ///
( 210/525 = 2 "Chittagong" ) ///
( 526/1001 = 3 " Dhaka" ) ///
( 1002/1256 = 4 "Khulna" ) ///
( 1257/1539 = 5 "Rajshahi" ) ///
( 1540/1799 = 6 "Rangpur" ) ///
( 1800/2012 = 7 "Sylhet" ) , gen (divn) label(divn1)
table divn q_2
tabulate divn q_2, col nofreq
```

Labeling of a variable

*****Note: Column title in the table will show the variable name q_2 but not show sex

*****label of the variable should be defined

*****Command: label variable q_2 "sex"

***** Now we calculate the Mortality rate using excel sheet: This is Exercise

// Under 5 Mortality rate*****

use "E:\Training day2\Death_data.dta", clear

table divn q_2 if q_3y<5 , row col

use "E:\Training day2\birth_data.dta", clear

table div q_2 if q_3y<5 , row col

*****Neonatal Mortality Rate

table divn q_2 if (q_3y<1 & q_3m<1 & q_3d>=0), row col

Mortality related indicators

*****q_2,q_3y, q_3m,q_3d are variable name

*****Post neonatal Mortality Rate

table divn q_2 if q_3y=0 & (q_3m>0 & q_3m<12)

*****Infant Mortality Rate

table divn q_2 if q_3y==0 & (q_3m>0 | q_3d>=0)

Calculate maternal mortality rate

*****Maternal Mortality Rate*****

```
table divn q_2 if q_2==2 & (q_3y>=15 & q_3y<=49) & (q_5==37 | q_5==38 | q_5==39 |  
q_5==40 | q_5==41 | q_5==42 | q_5==43)
```

*****There is an error because Maternal mortality Rate calculate only Female

```
table divn rmo if q_2==2 & (q_3y>=15 & q_3y<=49) & (q_5==37 | q_5==38 | q_5==39 |  
q_5==40 | q_5==41 | q_5==42 | q_5==43)
```

```
table divn area
```

-

Abridge life table

Procedure: Step1: calculate ASDR by male, female and bothsex

Step 2: Enter ASDR into the MORTPAC software

Step 3: Click Run (execute) tool from the tools bar

Exercise: CBR, GFR, GRR and NRR using Maldives Vital registration data set.

Thank you all