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name: <unnamed>

log: C:\Users\fanwa.BC\Downloads\inclass\_exercise.log

log type: text

opened on: 22 Jan 2019, 11:11:59

. sum

Variable | Obs Mean Std. Dev. Min Max

-------------+---------------------------------------------------------

time | 22 12.77273 8.123639 1 32

status | 22 .8181818 .394771 0 1

sex | 22 .5454545 .5096472 0 1

married | 22 1.409091 .5032363 1 2

. d,s

Contains data from C:\Users\fanwa.BC\Downloads\duration.dta

obs: 22

vars: 4 17 Dec 1999 09:40

size: 88

Sorted by:

. tab sex

sex | Freq. Percent Cum.

------------+-----------------------------------

female | 10 45.45 45.45

male | 12 54.55 100.00

------------+-----------------------------------

Total | 22 100.00

. tab sex married

| married

sex | unmarried married | Total

-----------+----------------------+----------

female | 4 6 | 10

male | 9 3 | 12

-----------+----------------------+----------

Total | 13 9 | 22

. tab sex married, row column

+-------------------+

| Key |

|-------------------|

| frequency |

| row percentage |

| column percentage |

+-------------------+

| married

sex | unmarried married | Total

-----------+----------------------+----------

female | 4 6 | 10

| 40.00 60.00 | 100.00

| 30.77 66.67 | 45.45

-----------+----------------------+----------

male | 9 3 | 12

| 75.00 25.00 | 100.00

| 69.23 33.33 | 54.55

-----------+----------------------+----------

Total | 13 9 | 22

| 59.09 40.91 | 100.00

| 100.00 100.00 | 100.00

. sum time, detial

option detial not allowed

r(198);

. sum time, d

survival time

-------------------------------------------------------------

Percentiles Smallest

1% 1 1

5% 2 2

10% 2 2 Obs 22

25% 7 3 Sum of Wgt. 22

50% 12.5 Mean 12.77273

Largest Std. Dev. 8.123639

75% 19 21

90% 21 21 Variance 65.99351

95% 23 23 Skewness .3702167

99% 32 32 Kurtosis 2.551218

. hist time

(bin=4, start=1, width=7.75)

. kdensity time

(n() set to 22)

. sort time

. gsort - time

. sort time

. gen obsid = \_n

. gen age = obsid + 30

. replace age = . if age > 50

(2 real changes made, 2 to missing)

. tab age, m

age | Freq. Percent Cum.

------------+-----------------------------------

31 | 1 4.55 4.55

32 | 1 4.55 9.09

33 | 1 4.55 13.64

34 | 1 4.55 18.18

35 | 1 4.55 22.73

36 | 1 4.55 27.27

37 | 1 4.55 31.82

38 | 1 4.55 36.36

39 | 1 4.55 40.91

40 | 1 4.55 45.45

41 | 1 4.55 50.00

42 | 1 4.55 54.55

43 | 1 4.55 59.09

44 | 1 4.55 63.64

45 | 1 4.55 68.18

46 | 1 4.55 72.73

47 | 1 4.55 77.27

48 | 1 4.55 81.82

49 | 1 4.55 86.36

50 | 1 4.55 90.91

. | 2 9.09 100.00

------------+-----------------------------------

Total | 22 100.00

. gen age2 = age^2

(2 missing values generated)

. gen logage = log(age)

(2 missing values generated)

. gen agecat = .

(22 missing values generated)

. replace agecat = 1 if age >= 30 & age <= 34

(4 real changes made)

. replace agecat = 2 if age >= 35 & age <= 39

(5 real changes made)

. recode age (30/34 = 1) (35/39 = 2) (40/44 = 3) (45/49 = 4) (50/max = 5) (. = .), gen(agecat2)

(20 differences between age and agecat2)

. tab age agecat2,m

| RECODE of age

age | 1 2 3 4 5 . | Total

-----------+------------------------------------------------------------------+----------

31 | 1 0 0 0 0 0 | 1

32 | 1 0 0 0 0 0 | 1

33 | 1 0 0 0 0 0 | 1

34 | 1 0 0 0 0 0 | 1

35 | 0 1 0 0 0 0 | 1

36 | 0 1 0 0 0 0 | 1

37 | 0 1 0 0 0 0 | 1

38 | 0 1 0 0 0 0 | 1

39 | 0 1 0 0 0 0 | 1

40 | 0 0 1 0 0 0 | 1

41 | 0 0 1 0 0 0 | 1

42 | 0 0 1 0 0 0 | 1

43 | 0 0 1 0 0 0 | 1

44 | 0 0 1 0 0 0 | 1

45 | 0 0 0 1 0 0 | 1

46 | 0 0 0 1 0 0 | 1

47 | 0 0 0 1 0 0 | 1

48 | 0 0 0 1 0 0 | 1

49 | 0 0 0 1 0 0 | 1

50 | 0 0 0 0 1 0 | 1

. | 0 0 0 0 0 2 | 2

-----------+------------------------------------------------------------------+----------

Total | 4 5 5 5 1 2 | 22

. label agecat2 "recoded 5-cat age based on age"

invalid syntax

r(198);

. label var agecat2 "recoded 5-cat age based on age"

. tab agecat2

recoded |

5-cat age |

based on |

age | Freq. Percent Cum.

------------+-----------------------------------

1 | 4 20.00 20.00

2 | 5 25.00 45.00

3 | 5 25.00 70.00

4 | 5 25.00 95.00

5 | 1 5.00 100.00

------------+-----------------------------------

Total | 20 100.00

. label define agecatvalue 1 "1 30-34" 2 "2 35-39" 3 "3 40-44" 4 "4 45-49" 5 "5 50+"

. label values agecat2 agecatvalue

. tab agecat2

recoded |

5-cat age |

based on |

age | Freq. Percent Cum.

------------+-----------------------------------

1 30-34 | 4 20.00 20.00

2 35-39 | 5 25.00 45.00

3 40-44 | 5 25.00 70.00

4 45-49 | 5 25.00 95.00

5 50+ | 1 5.00 100.00

------------+-----------------------------------

Total | 20 100.00

. log close

name: <unnamed>

log: C:\Users\fanwa.BC\Downloads\inclass\_exercise.log

log type: text

closed on: 22 Jan 2019, 11:31:12

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