Test Bank

# Chapter 2: Understanding Data: Critical Concepts

Figure 2.1

|  |  |  |  |
| --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | HAPMAR |  | HAPPINESS OF MARRIAGE | |
| |  | | --- | | Description of the Variable | | 158. Taking all things together, how would you describe your  marriage? | |
| |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | Percent |  | N |  | Value |  | Label | | 63.4 |  | 17,971 |  | 1 |  | VERY HAPPY | | 33.7 |  | 9,549 |  | 2 |  | PRETTY HAPPY | | 3.0 |  | 842 |  | 3 |  | NOT TOO HAPPY | |  |  | 31,041 |  | 0 |  | IAP | |  |  | 49 |  | 8 |  | DK | |  |  | 147 |  | 9 |  | NA | | 100.0 |  | 59,599 |  |  |  | Total | |

Use Figure 2.1 to answer the following 3 questions.

1. Which of the following best describes the modal category for the variable, HAPMAR?

\*a. Very happy

b. Pretty happy

c. Not too happy

1. The variable, HAPMAR, is best described as what type of variable?

a. A dummy variable.

\*b. An ordinal-level variable.

c. An interval-ratio level variable.

1. The number 31,041 in Figure 2.1 indicates that:

a. 31,041 respondents refused to answer when questioned about their level of marital happiness

\*b. 31,041 respondents were not asked about their level of marital happiness

c. 31,041 respondents provided valid responses when asked about their level of marital happiness

d. 31,041 respondents were married.

Use Figure 2.2 to answer the following 3 questions.

Figure 2.2

|  |  |  |  |
| --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | VOLMONTH |  | VOLUNTEER IN LAST MONTH | |
| |  | | --- | | Description of the Variable | | In the past month, did you do any volunteer activity through organizations,  that is donate your time and energy not for pay? | |
| |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | Percent |  | N |  | Value |  | Label | | 34.9 |  | 895 |  | 1 |  | Yes | | 65.1 |  | 1,668 |  | 2 |  | No | |  |  | 57,017 |  | 0 |  | IAP | |  |  | 5 |  | 8 |  | DON'T KNOW | |  |  | 14 |  | 9 |  | No answer | | 100.0 |  | 59,599 |  |  |  | Total | |

1. The variable, VOLMONTH, is best described as what type of variable?

\*a. A dummy variable.

b. An ordinal-level variable.

c. An interval-ratio level variable.

1. How many respondents indicated that they had done volunteer activity through an organization, in the past month?

\*a. 895

b. 1668

c. 57,017

d. 59,599

1. Of those who provided valid responses, what percent of respondents indicated they did NOT participate in volunteer activity through an organization, in the past month?

a. 34.9%

\*b. 65.1%

c. 100%

d. This information is not provided in the table.

Use Figure 2.3 to answer the following questions.

1. The variable EDUC, shown in Figure 2.3, corresponds to the number of years of formal education that a respondent has. This variable is best described as a(n):

a. Nominal-level variable.

b. Dummy variable.

c. Ordinal-level variable.

\*d. Interval-ratio-level variable.

Figure 2.3

|  |  |  |  |
| --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | EDUC |  | HIGHEST YEAR OF SCHOOL COMPLETED | |
| |  | | --- | | Description of the Variable | | 15. What is the highest grade of school you completed? | |
| |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | Percent |  | N |  | Value |  | Label | | 0.3 |  | 159 |  | 0 |  |  | | 0.1 |  | 42 |  | 1 |  |  | | 0.2 |  | 145 |  | 2 |  |  | | 0.4 |  | 244 |  | 3 |  |  | | 0.5 |  | 312 |  | 4 |  |  | | 0.7 |  | 395 |  | 5 |  |  | | 1.3 |  | 777 |  | 6 |  |  | | 1.4 |  | 853 |  | 7 |  |  | | 4.4 |  | 2,641 |  | 8 |  |  | | 3.3 |  | 1,973 |  | 9 |  |  | | 4.6 |  | 2,725 |  | 10 |  |  | | 5.9 |  | 3,530 |  | 11 |  |  | | 30.6 |  | 18,182 |  | 12 |  |  | | 8.3 |  | 4,935 |  | 13 |  |  | | 10.9 |  | 6,488 |  | 14 |  |  | | 4.5 |  | 2,646 |  | 15 |  |  | | 12.5 |  | 7,440 |  | 16 |  |  | | 3.0 |  | 1,762 |  | 17 |  |  | | 3.6 |  | 2,116 |  | 18 |  |  | | 1.4 |  | 812 |  | 19 |  |  | | 2.1 |  | 1,257 |  | 20 |  |  | |  |  | 70 |  | 98 |  | DK | |  |  | 95 |  | 99 |  | NA | | 100.0 |  | 59,599 |  |  |  | Total | |
| |  |  | | --- | --- | | Properties | | | Data type: | numeric | | Missing-data codes: | 97,98,99 | | Mean: | 12.79 | | Std Dev: | 3.18 | | Record/columns: | 1/144-145 | |

1. Using the information presented in Figure 2.3, approximately what percentage of GSS respondents indicated that they have16 years of education?

a. 7.4%

\*b. 12.5%

c. 30.6%

d. 50%

1. Using the information presented in Figure 2.3, what is the average number of years of education that respondents report having?

a. 3.18

b. 12.0

\* c. 12.79

d. 97

1. Which of the following statements is NOT correct, according to Figure 2.3?

a. Among the GSS respondents, the category with the highest number of responses is “12 years of education”

b. Most respondents have fewer than 16 years of education

\*c. 70 respondents report having 98 years of formal education.

d. All of the above are true, based on the information presented in Figure 2.3