Bookmarks

- Module 1: The Basics of R and Introduction to the Course
- Entrance Survey
- Module 2: Fundamentals of Probability, Random Variables, Distributions, and Joint Distributions
- Module 3: Gathering and Collecting Data, Ethics, and Kernel Density Estimates

Gathering and Collecting Data
Finger Exercises due Oct 17, 2016 05:00 IST

Plotting Histograms - Quiz

Bookmark this page

Question 1

1.0 point possible (graded)

To obtain the density for a histogram, you must divide the number of observations in each “bin” by:

- a. The number of observations in the previous bin
- b. 100 in order to obtain a percentage
- c. The number of observations in the following bin
- d. The total number of observations

Explanation

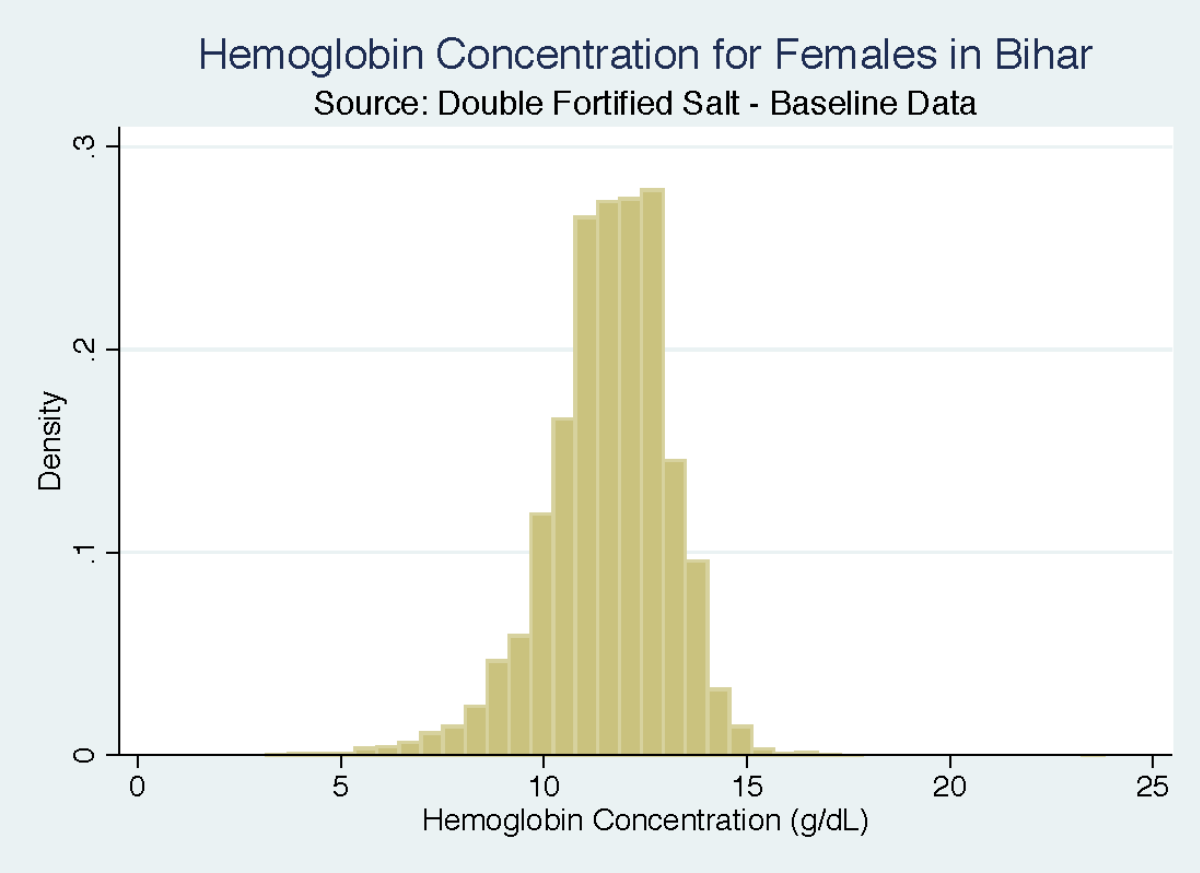
To obtain the proportion of cases that fall into each bin, you must divide the the number of cases in that bin by the total number of observations.

Submit You have used 0 of 2 attempts

Question 2

1 point possible (graded)

The following is histogram of female hemoglobin concentration (an indicator for anemia) from an experiment conducted in Bihar, India. The unit for hemoglobin level is grams per deciliter (g/dL).



According to this histogram, the majority of respondents have hemoglobin levels between:

- a. 5 and 8 g/dL
- b. 8 and 11 g/dL

c. 11 and 15 g/dL

d. 15 and 18 g/dL

Explanation

From the histogram, we can see that the density (which is the number of observations within a bin divided by the total number of observations) peaks somewhere between 10 g/dL and 15 g/dL. Therefore, of the choices provided, the greatest proportion of respondents have hemoglobin levels between 11 and 15 g/dL.

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Discussion

Topic: Module 3 / Plotting Histograms - Quiz

Show Discussion