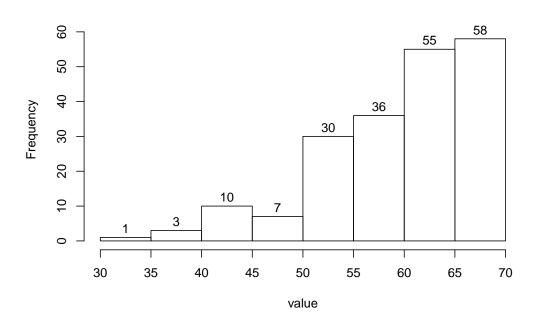
A continuous random variable was measured 200 times. The histogram is shown below.

Histogram of measurements

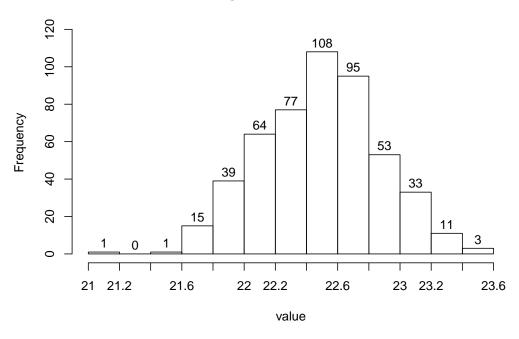


- (a) Describe the overall shape of the distribution. (symmetric mound, skew left, skew right, uniform, or bimodal)
- (b) Estimate the range of the distribution (range = max-min).
- (c) What percent of the measurements are less than 40?
- (d) What percent of the measurements are less than 35?
- (e) Of the measurements less than 40, what percent are less than 35?
- (f) Estimate the value of the 43.5th percentile.

- (a) skew left
- (b) 40
- (c) 2%
- (d) 0.5%
- (e) 25%
- (f) 60

A continuous random variable was measured 500 times. The histogram is shown below.

Histogram of measurements

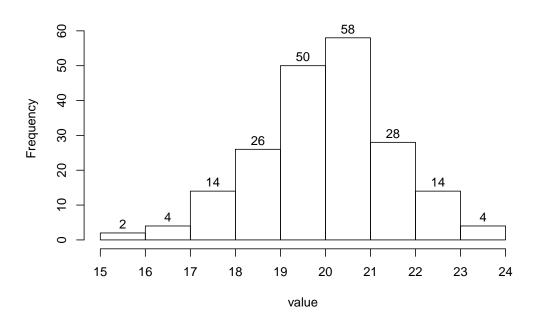


- (a) Describe the overall shape of the distribution. (symmetric mound, skew left, skew right, uniform, or bimodal)
- (b) Estimate the range of the distribution (range = max-min).
- (c) What percent of the measurements are less than 22?
- (d) What percent of the measurements are greater than 21.2?
- (e) Of the measurements less than 22, what percent are greater than 21.2?
- (f) Estimate the value of the 90.6th percentile.

- (a) symmetric mound
- (b) 2.6
- (c) 11.2%
- (d) 99.8%
- (e) 98.21%
- (f) 23

A continuous random variable was measured 200 times. The histogram is shown below.

Histogram of measurements

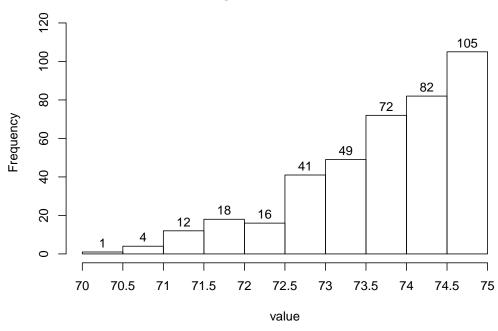


- (a) Describe the overall shape of the distribution. (symmetric mound, skew left, skew right, uniform, or bimodal)
- (b) Estimate the range of the distribution (range = max-min).
- (c) What percent of the measurements are less than 17?
- (d) What percent of the measurements are greater than 16?
- (e) Of the measurements less than 17, what percent are greater than 16?
- (f) Estimate the value of the 48th percentile.

- (a) symmetric mound
- (b) 9
- (c) 3%
- (d) 99%
- (e) 66.67%
- (f) 20

A continuous random variable was measured 400 times. The histogram is shown below.

Histogram of measurements

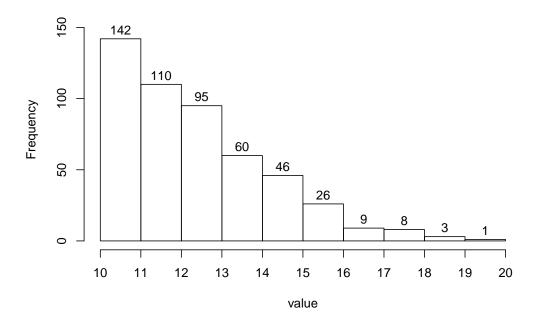


- (a) Describe the overall shape of the distribution. (symmetric mound, skew left, skew right, uniform, or bimodal)
- (b) Estimate the range of the distribution (range = max-min).
- (c) What percent of the measurements are greater than 71?
- (d) What percent of the measurements are less than 73.5?
- (e) Of the measurements greater than 71, what percent are less than 73.5?
- (f) Estimate the value of the 0.25th percentile.

- (a) skew left
- (b) 5
- (c) 98.75%
- (d) 35.25%
- (e) 34.43%
- (f) 70.5

A continuous random variable was measured 500 times. The histogram is shown below.

Histogram of measurements

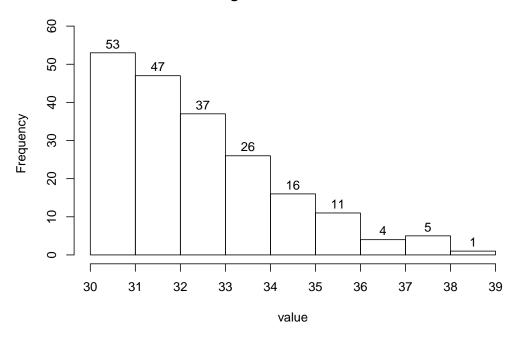


- (a) Describe the overall shape of the distribution. (symmetric mound, skew left, skew right, uniform, or bimodal)
- (b) Estimate the range of the distribution (range = max-min).
- (c) What percent of the measurements are greater than 12?
- (d) What percent of the measurements are less than 18?
- (e) Of the measurements greater than 12, what percent are less than 18?
- (f) Estimate the value of the 69.4th percentile.

- (a) skew right
- (b) 10
- (c) 49.6%
- (d) 99.2%
- (e) 98.39%
- (f) 13

A continuous random variable was measured 200 times. The histogram is shown below.

Histogram of measurements

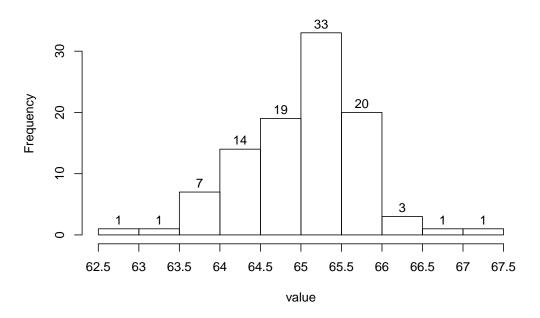


- (a) Describe the overall shape of the distribution. (symmetric mound, skew left, skew right, uniform, or bimodal)
- (b) Estimate the range of the distribution (range = max-min).
- (c) What percent of the measurements are greater than 34?
- (d) What percent of the measurements are greater than 38?
- (e) Of the measurements greater than 34, what percent are greater than 38?
- (f) Estimate the value of the 68.5th percentile.

- (a) skew right
- (b) 9
- (c) 18.5%
- (d) 0.5%
- (e) 2.703%
- (f) 33

A continuous random variable was measured 100 times. The histogram is shown below.

Histogram of measurements

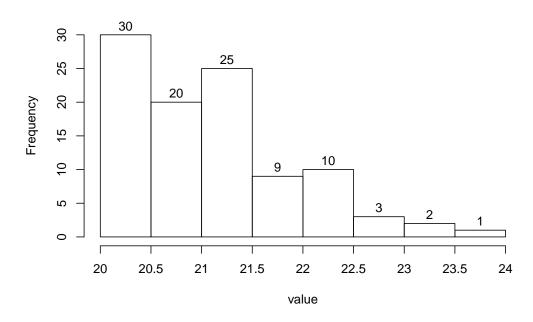


- (a) Describe the overall shape of the distribution. (symmetric mound, skew left, skew right, uniform, or bimodal)
- (b) Estimate the range of the distribution (range = max-min).
- (c) What percent of the measurements are greater than 65?
- (d) What percent of the measurements are greater than 66?
- (e) Of the measurements greater than 65, what percent are greater than 66?
- (f) Estimate the value of the 9th percentile.

- (a) symmetric mound
- (b) 5
- (c) 58%
- (d) 5%
- (e) 8.621%
- (f) 64

A continuous random variable was measured 100 times. The histogram is shown below.

Histogram of measurements

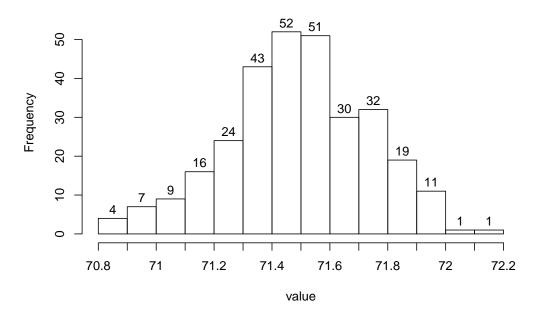


- (a) Describe the overall shape of the distribution. (symmetric mound, skew left, skew right, uniform, or bimodal)
- (b) Estimate the range of the distribution (range = max-min).
- (c) What percent of the measurements are greater than 22.5?
- (d) What percent of the measurements are less than 23.5?
- (e) Of the measurements greater than 22.5, what percent are less than 23.5?
- (f) Estimate the value of the 50th percentile.

- (a) skew right
- (b) 4
- (c) 6%
- (d) 99%
- (e) 83.33%
- (f) 21

A continuous random variable was measured 300 times. The histogram is shown below.

Histogram of measurements

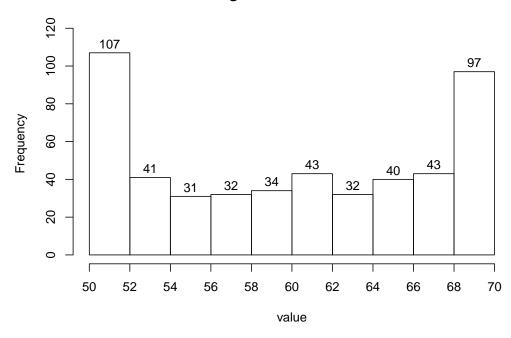


- (a) Describe the overall shape of the distribution. (symmetric mound, skew left, skew right, uniform, or bimodal)
- (b) Estimate the range of the distribution (range = max-min).
- (c) What percent of the measurements are greater than 71.2?
- (d) What percent of the measurements are greater than 71.7?
- (e) Of the measurements greater than 71.2, what percent are greater than 71.7?
- (f) Estimate the value of the 99.33th percentile.

- (a) symmetric mound
- (b) 1.4
- (c) 88%
- (d) 21.33%
- (e) 24.24%
- (f) 72

A continuous random variable was measured 500 times. The histogram is shown below.

Histogram of measurements

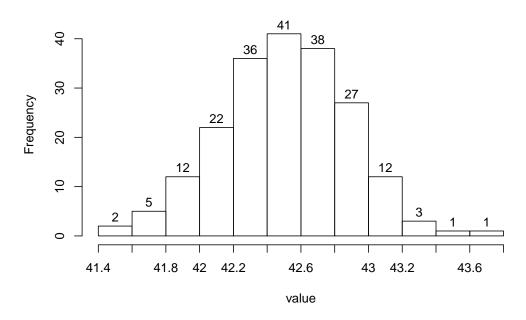


- (a) Describe the overall shape of the distribution. (symmetric mound, skew left, skew right, uniform, or bimodal)
- (b) Estimate the range of the distribution (range = max-min).
- (c) What percent of the measurements are greater than 58?
- (d) What percent of the measurements are greater than 64?
- (e) Of the measurements greater than 58, what percent are greater than 64?
- (f) Estimate the value of the 49th percentile.

- (a) bimodal
- (b) 20
- (c) 57.8%
- (d) 36%
- (e) 62.28%
- (f) 60

A continuous random variable was measured 200 times. The histogram is shown below.

Histogram of measurements

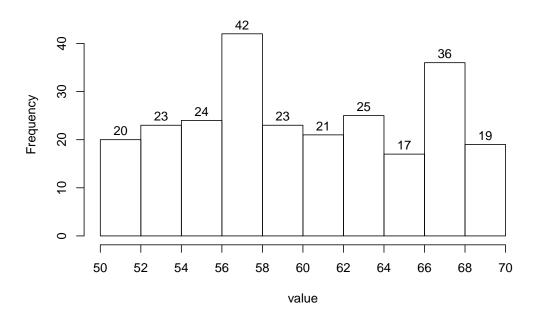


- (a) Describe the overall shape of the distribution. (symmetric mound, skew left, skew right, uniform, or bimodal)
- (b) Estimate the range of the distribution (range = max-min).
- (c) What percent of the measurements are greater than 43?
- (d) What percent of the measurements are less than 43.6?
- (e) Of the measurements greater than 43, what percent are less than 43.6?
- (f) Estimate the value of the 20.5th percentile.

- (a) symmetric mound
- (b) 2.4
- (c) 8.5%
- (d) 99.5%
- (e) 94.12%
- (f) 42.2

A continuous random variable was measured 250 times. The histogram is shown below.

Histogram of measurements

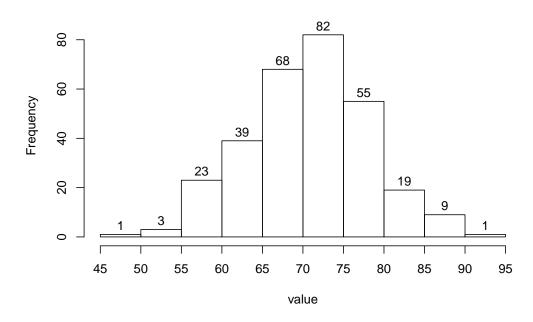


- (a) Describe the overall shape of the distribution. (symmetric mound, skew left, skew right, uniform, or bimodal)
- (b) Estimate the range of the distribution (range = max-min).
- (c) What percent of the measurements are less than 64?
- (d) What percent of the measurements are less than 62?
- (e) Of the measurements less than 64, what percent are less than 62?
- (f) Estimate the value of the 52.8th percentile.

- (a) uniform
- (b) 20
- (c) 71.2%
- (d) 61.2%
- (e) 85.96%
- (f) 60

A continuous random variable was measured 300 times. The histogram is shown below.

Histogram of measurements

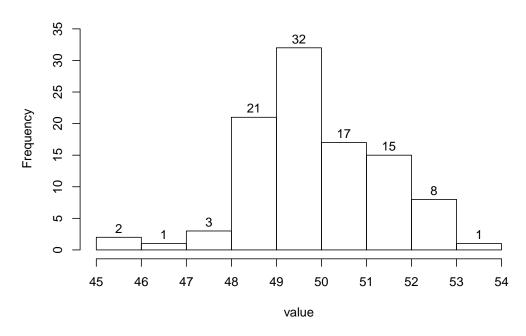


- (a) Describe the overall shape of the distribution. (symmetric mound, skew left, skew right, uniform, or bimodal)
- (b) Estimate the range of the distribution (range = max-min).
- (c) What percent of the measurements are less than 70?
- (d) What percent of the measurements are greater than 60?
- (e) Of the measurements less than 70, what percent are greater than 60?
- (f) Estimate the value of the 1.333th percentile.

- (a) symmetric mound
- (b) 50
- (c) 44.67%
- (d) 91%
- (e) 79.85%
- (f) 55

A continuous random variable was measured 100 times. The histogram is shown below.

Histogram of measurements

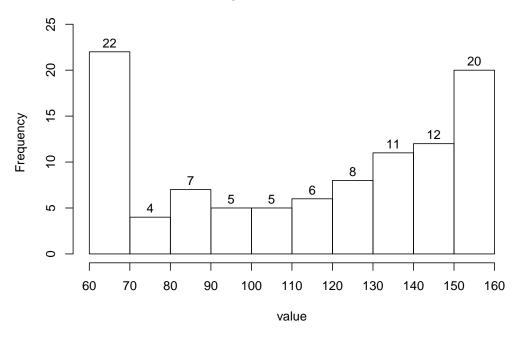


- (a) Describe the overall shape of the distribution. (symmetric mound, skew left, skew right, uniform, or bimodal)
- (b) Estimate the range of the distribution (range = max-min).
- (c) What percent of the measurements are greater than 51?
- (d) What percent of the measurements are less than 53?
- (e) Of the measurements greater than 51, what percent are less than 53?
- (f) Estimate the value of the 59th percentile.

- (a) symmetric mound
- (b) 9
- (c) 24%
- (d) 99%
- (e) 95.83%
- (f) 50

A continuous random variable was measured 100 times. The histogram is shown below.

Histogram of measurements

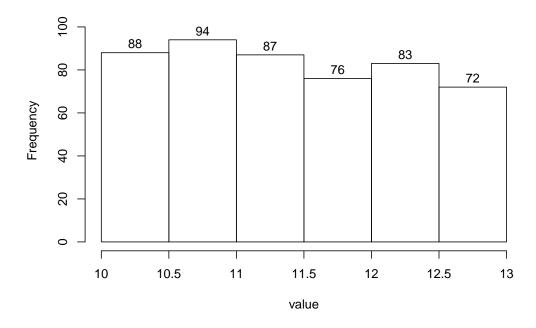


- (a) Describe the overall shape of the distribution. (symmetric mound, skew left, skew right, uniform, or bimodal)
- (b) Estimate the range of the distribution (range = max-min).
- (c) What percent of the measurements are greater than 120?
- (d) What percent of the measurements are greater than 150?
- (e) Of the measurements greater than 120, what percent are greater than 150?
- (f) Estimate the value of the 43th percentile.

- (a) bimodal
- (b) 100
- (c) 51%
- (d) 20%
- (e) 39.22%
- (f) 110

A continuous random variable was measured 500 times. The histogram is shown below.

Histogram of measurements

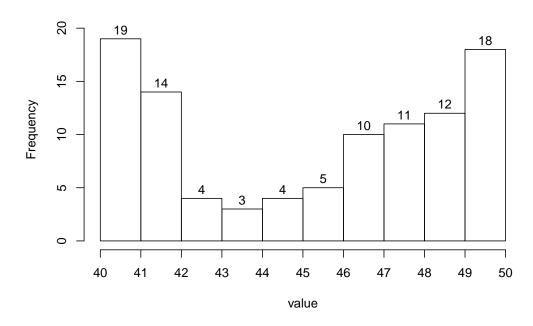


- (a) Describe the overall shape of the distribution. (symmetric mound, skew left, skew right, uniform, or bimodal)
- (b) Estimate the range of the distribution (range = max-min).
- (c) What percent of the measurements are greater than 11?
- (d) What percent of the measurements are greater than 12?
- (e) Of the measurements greater than 11, what percent are greater than 12?
- (f) Estimate the value of the 17.6th percentile.

- (a) uniform
- (b) 3
- (c) 63.6%
- (d) 31%
- (e) 48.74%
- (f) 10.5

A continuous random variable was measured 100 times. The histogram is shown below.

Histogram of measurements

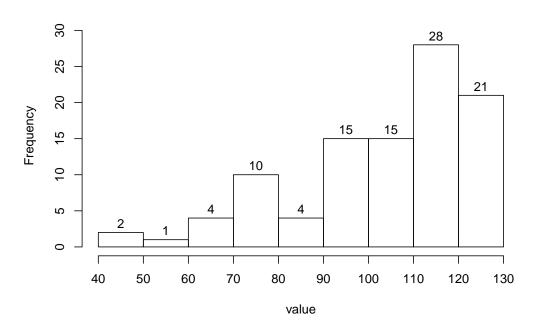


- (a) Describe the overall shape of the distribution. (symmetric mound, skew left, skew right, uniform, or bimodal)
- (b) Estimate the range of the distribution (range = max-min).
- (c) What percent of the measurements are greater than 45?
- (d) What percent of the measurements are greater than 49?
- (e) Of the measurements greater than 45, what percent are greater than 49?
- (f) Estimate the value of the 59th percentile.

- (a) bimodal
- (b) 10
- (c) 56%
- (d) 18%
- (e) 32.14%
- (f) 47

A continuous random variable was measured 100 times. The histogram is shown below.

Histogram of measurements

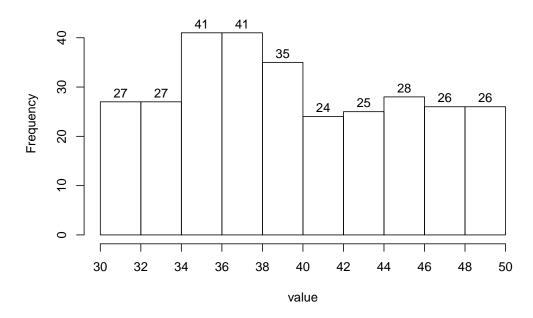


- (a) Describe the overall shape of the distribution. (symmetric mound, skew left, skew right, uniform, or bimodal)
- (b) Estimate the range of the distribution (range = max-min).
- (c) What percent of the measurements are less than 90?
- (d) What percent of the measurements are less than 50?
- (e) Of the measurements less than 90, what percent are less than 50?
- (f) Estimate the value of the 3th percentile.

- (a) skew left
- (b) 90
- (c) 21%
- (d) 2%
- (e) 9.524%
- (f) 60

A continuous random variable was measured 300 times. The histogram is shown below.

Histogram of measurements

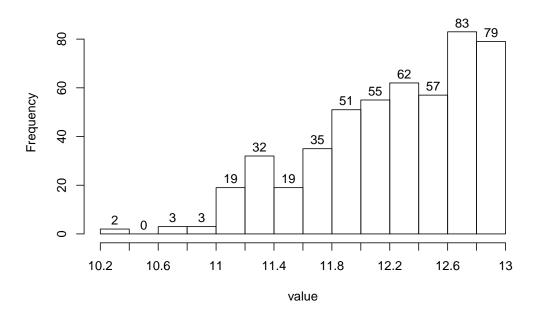


- (a) Describe the overall shape of the distribution. (symmetric mound, skew left, skew right, uniform, or bimodal)
- (b) Estimate the range of the distribution (range = max-min).
- (c) What percent of the measurements are less than 42?
- (d) What percent of the measurements are greater than 38?
- (e) Of the measurements less than 42, what percent are greater than 38?
- (f) Estimate the value of the 9th percentile.

- (a) uniform
- (b) 20
- (c) 65%
- (d) 54.67%
- (e) 30.26%
- (f) 32

A continuous random variable was measured 500 times. The histogram is shown below.

Histogram of measurements

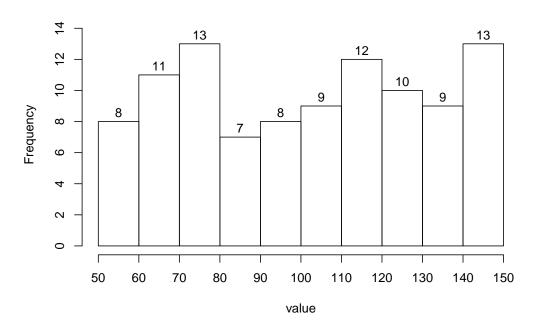


- (a) Describe the overall shape of the distribution. (symmetric mound, skew left, skew right, uniform, or bimodal)
- (b) Estimate the range of the distribution (range = max-min).
- (c) What percent of the measurements are less than 12.4?
- (d) What percent of the measurements are greater than 11.4?
- (e) Of the measurements less than 12.4, what percent are greater than 11.4?
- (f) Estimate the value of the 5.4th percentile.

- (a) skew left
- (b) 2.8
- (c) 56.2%
- (d) 88.2%
- (e) 79%
- (f) 11.2

A continuous random variable was measured 100 times. The histogram is shown below.

Histogram of measurements

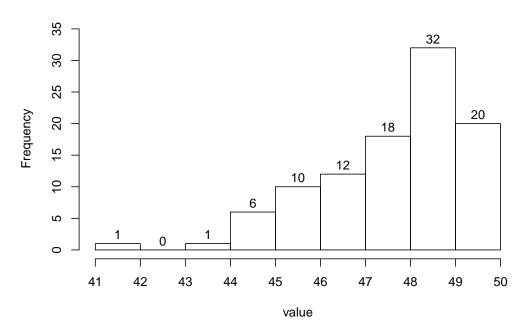


- (a) Describe the overall shape of the distribution. (symmetric mound, skew left, skew right, uniform, or bimodal)
- (b) Estimate the range of the distribution (range = max-min).
- (c) What percent of the measurements are less than 120?
- (d) What percent of the measurements are greater than 60?
- (e) Of the measurements less than 120, what percent are greater than 60?
- (f) Estimate the value of the 32th percentile.

- (a) uniform
- (b) 100
- (c) 68%
- (d) 92%
- (e) 88.24%
- (f) 80

A continuous random variable was measured 100 times. The histogram is shown below.

Histogram of measurements

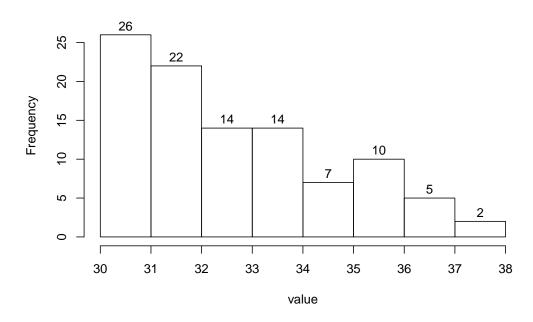


- (a) Describe the overall shape of the distribution. (symmetric mound, skew left, skew right, uniform, or bimodal)
- (b) Estimate the range of the distribution (range = max-min).
- (c) What percent of the measurements are less than 46?
- (d) What percent of the measurements are less than 45?
- (e) Of the measurements less than 46, what percent are less than 45?
- (f) Estimate the value of the 1th percentile.

- (a) skew left
- (b) 9
- (c) 18%
- (d) 8%
- (e) 44.44%
- (f) 43

A continuous random variable was measured 100 times. The histogram is shown below.

Histogram of measurements

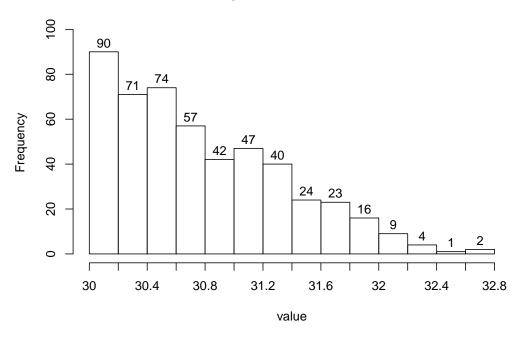


- (a) Describe the overall shape of the distribution. (symmetric mound, skew left, skew right, uniform, or bimodal)
- (b) Estimate the range of the distribution (range = max-min).
- (c) What percent of the measurements are greater than 35?
- (d) What percent of the measurements are greater than 37?
- (e) Of the measurements greater than 35, what percent are greater than 37?
- (f) Estimate the value of the 48th percentile.

- (a) skew right
- (b) 8
- (c) 17%
- (d) 2%
- (e) 11.76%
- (f) 32

A continuous random variable was measured 500 times. The histogram is shown below.

Histogram of measurements

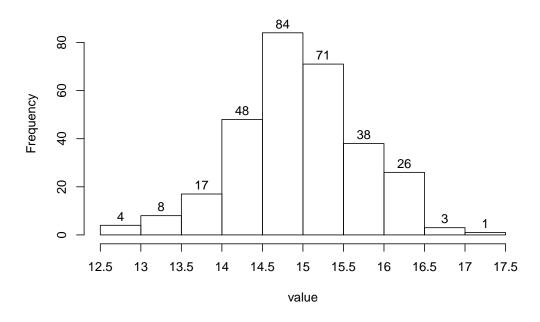


- (a) Describe the overall shape of the distribution. (symmetric mound, skew left, skew right, uniform, or bimodal)
- (b) Estimate the range of the distribution (range = max-min).
- (c) What percent of the measurements are greater than 31.4?
- (d) What percent of the measurements are greater than 32.2?
- (e) Of the measurements greater than 31.4, what percent are greater than 32.2?
- (f) Estimate the value of the 99.4th percentile.

- (a) skew right
- (b) 2.8
- (c) 15.8%
- (d) 1.4%
- (e) 8.861%
- (f) 32.4

A continuous random variable was measured 300 times. The histogram is shown below.

Histogram of measurements

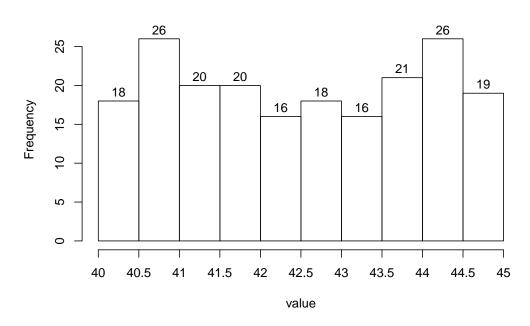


- (a) Describe the overall shape of the distribution. (symmetric mound, skew left, skew right, uniform, or bimodal)
- (b) Estimate the range of the distribution (range = max-min).
- (c) What percent of the measurements are less than 13.5?
- (d) What percent of the measurements are less than 12.5?
- (e) Of the measurements less than 13.5, what percent are less than 12.5?
- (f) Estimate the value of the 53.67th percentile.

- (a) symmetric mound
- (b) 5
- (c) 4%
- (d) 1.333%
- (e) 33.33%
- (f) 15

A continuous random variable was measured 200 times. The histogram is shown below.

Histogram of measurements

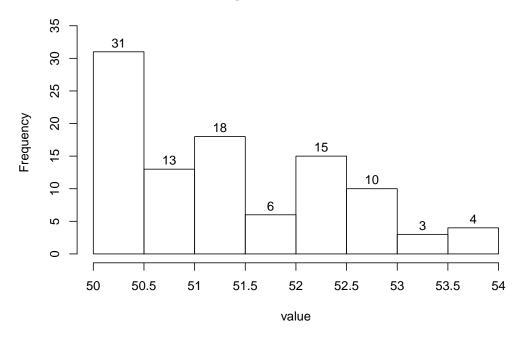


- (a) Describe the overall shape of the distribution. (symmetric mound, skew left, skew right, uniform, or bimodal)
- (b) Estimate the range of the distribution (range = max-min).
- (c) What percent of the measurements are less than 43.5?
- (d) What percent of the measurements are less than 41?
- (e) Of the measurements less than 43.5, what percent are less than 41?
- (f) Estimate the value of the 59th percentile.

- (a) uniform
- (b) 5
- (c) 67%
- (d) 22%
- (e) 32.84%
- (f) 43

A continuous random variable was measured 100 times. The histogram is shown below.

Histogram of measurements

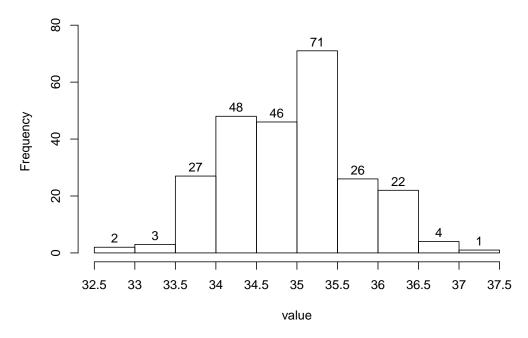


- (a) Describe the overall shape of the distribution. (symmetric mound, skew left, skew right, uniform, or bimodal)
- (b) Estimate the range of the distribution (range = max-min).
- (c) What percent of the measurements are greater than 52.5?
- (d) What percent of the measurements are less than 53.5?
- (e) Of the measurements greater than 52.5, what percent are less than 53.5?
- (f) Estimate the value of the 62th percentile.

- (a) skew right
- (b) 4
- (c) 17%
- (d) 96%
- (e) 76.47%
- (f) 51.5

A continuous random variable was measured 250 times. The histogram is shown below.

Histogram of measurements

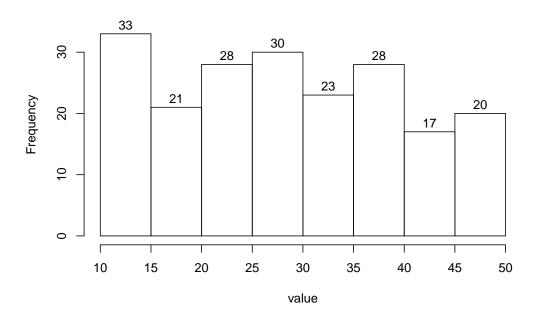


- (a) Describe the overall shape of the distribution. (symmetric mound, skew left, skew right, uniform, or bimodal)
- (b) Estimate the range of the distribution (range = max-min).
- (c) What percent of the measurements are less than 34.5?
- (d) What percent of the measurements are less than 33?
- (e) Of the measurements less than 34.5, what percent are less than 33?
- (f) Estimate the value of the 98th percentile.

- (a) symmetric mound
- (b) 5
- (c) 32%
- (d) 0.8%
- (e) 2.5%
- (f) 36.5

A continuous random variable was measured 200 times. The histogram is shown below.

Histogram of measurements

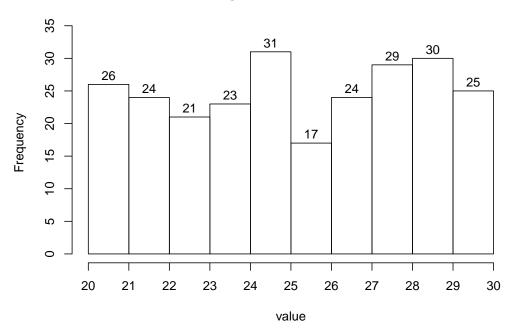


- (a) Describe the overall shape of the distribution. (symmetric mound, skew left, skew right, uniform, or bimodal)
- (b) Estimate the range of the distribution (range = max-min).
- (c) What percent of the measurements are less than 30?
- (d) What percent of the measurements are greater than 15?
- (e) Of the measurements less than 30, what percent are greater than 15?
- (f) Estimate the value of the 81.5th percentile.

- (a) uniform
- (b) 40
- (c) 56%
- (d) 83.5%
- (e) 70.54%
- (f) 40

A continuous random variable was measured 250 times. The histogram is shown below.

Histogram of measurements

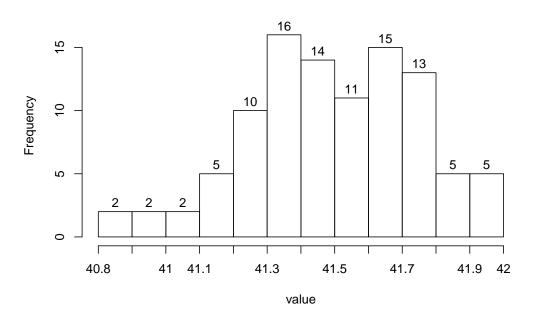


- (a) Describe the overall shape of the distribution. (symmetric mound, skew left, skew right, uniform, or bimodal)
- (b) Estimate the range of the distribution (range = max-min).
- (c) What percent of the measurements are greater than 27?
- (d) What percent of the measurements are greater than 29?
- (e) Of the measurements greater than 27, what percent are greater than 29?
- (f) Estimate the value of the 37.6th percentile.

- (a) uniform
- (b) 10
- (c) 33.6%
- (d) 10%
- (e) 29.76%
- (f) 24

A continuous random variable was measured 100 times. The histogram is shown below.

Histogram of measurements

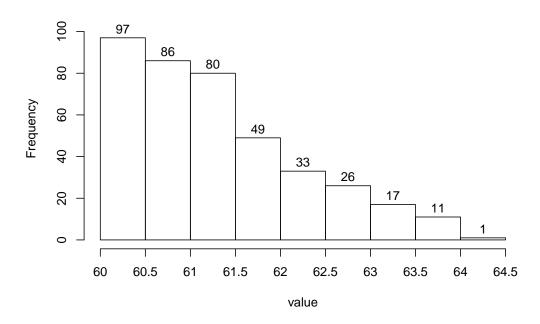


- (a) Describe the overall shape of the distribution. (symmetric mound, skew left, skew right, uniform, or bimodal)
- (b) Estimate the range of the distribution (range = max-min).
- (c) What percent of the measurements are less than 41.1?
- (d) What percent of the measurements are less than 40.9?
- (e) Of the measurements less than 41.1, what percent are less than 40.9?
- (f) Estimate the value of the 11th percentile.

- (a) symmetric mound
- (b) 1.2
- (c) 6%
- (d) 2%
- (e) 33.33%
- (f) 41.2

A continuous random variable was measured 400 times. The histogram is shown below.

Histogram of measurements

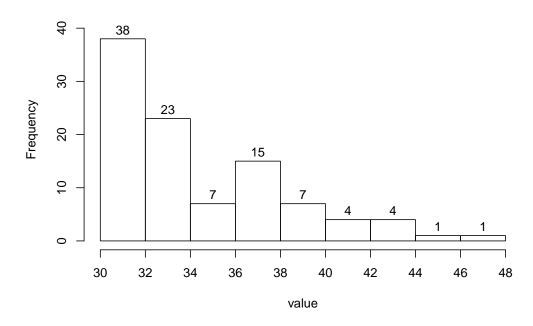


- (a) Describe the overall shape of the distribution. (symmetric mound, skew left, skew right, uniform, or bimodal)
- (b) Estimate the range of the distribution (range = max-min).
- (c) What percent of the measurements are greater than 62.5?
- (d) What percent of the measurements are greater than 64?
- (e) Of the measurements greater than 62.5, what percent are greater than 64?
- (f) Estimate the value of the 97th percentile.

- (a) skew right
- (b) 4.5
- (c) 13.75%
- (d) 0.25%
- (e) 1.818%
- (f) 63.5

A continuous random variable was measured 100 times. The histogram is shown below.

Histogram of measurements

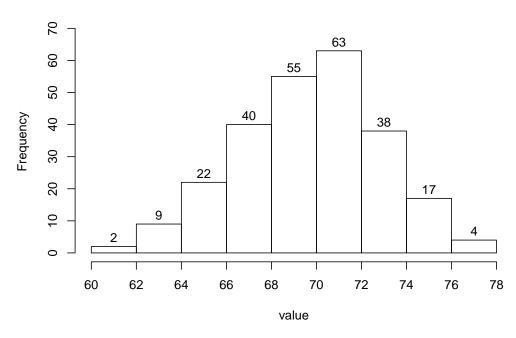


- (a) Describe the overall shape of the distribution. (symmetric mound, skew left, skew right, uniform, or bimodal)
- (b) Estimate the range of the distribution (range = max-min).
- (c) What percent of the measurements are less than 34?
- (d) What percent of the measurements are greater than 32?
- (e) Of the measurements less than 34, what percent are greater than 32?
- (f) Estimate the value of the 90th percentile.

- (a) skew right
- (b) 18
- (c) 61%
- (d) 62%
- (e) 37.7%
- (f) 40

A continuous random variable was measured 250 times. The histogram is shown below.

Histogram of measurements

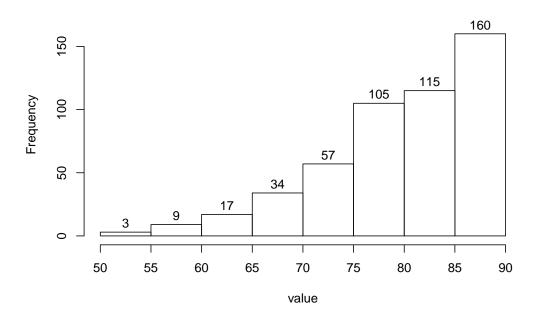


- (a) Describe the overall shape of the distribution. (symmetric mound, skew left, skew right, uniform, or bimodal)
- (b) Estimate the range of the distribution (range = max-min).
- (c) What percent of the measurements are greater than 68?
- (d) What percent of the measurements are less than 70?
- (e) Of the measurements greater than 68, what percent are less than 70?
- (f) Estimate the value of the 0.8th percentile.

- (a) symmetric mound
- (b) 18
- (c) 70.8%
- (d) 51.2%
- (e) 31.07%
- (f) 62

A continuous random variable was measured 500 times. The histogram is shown below.

Histogram of measurements

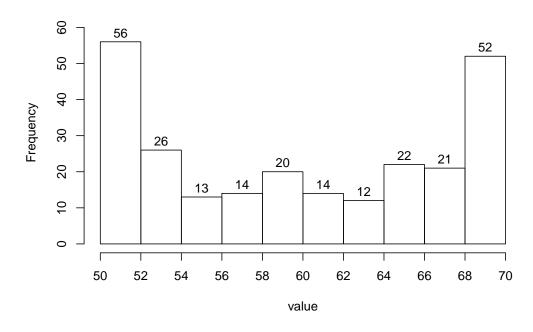


- (a) Describe the overall shape of the distribution. (symmetric mound, skew left, skew right, uniform, or bimodal)
- (b) Estimate the range of the distribution (range = max-min).
- (c) What percent of the measurements are less than 60?
- (d) What percent of the measurements are less than 50?
- (e) Of the measurements less than 60, what percent are less than 50?
- (f) Estimate the value of the 45th percentile.

- (a) skew left
- (b) 40
- (c) 2.4%
- (d) 0.6%
- (e) 25%
- (f) 80

A continuous random variable was measured 250 times. The histogram is shown below.

Histogram of measurements

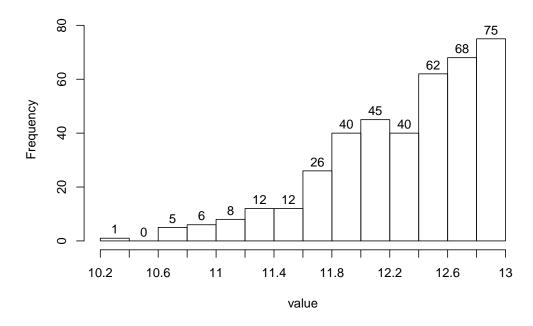


- (a) Describe the overall shape of the distribution. (symmetric mound, skew left, skew right, uniform, or bimodal)
- (b) Estimate the range of the distribution (range = max-min).
- (c) What percent of the measurements are greater than 62?
- (d) What percent of the measurements are less than 68?
- (e) Of the measurements greater than 62, what percent are less than 68?
- (f) Estimate the value of the 38th percentile.

- (a) bimodal
- (b) 20
- (c) 42.8%
- (d) 79.2%
- (e) 51.4%
- (f) 56

A continuous random variable was measured 400 times. The histogram is shown below.

Histogram of measurements

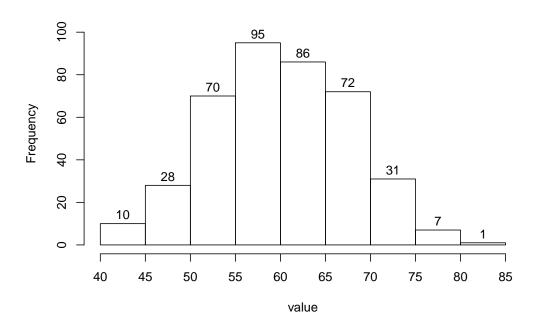


- (a) Describe the overall shape of the distribution. (symmetric mound, skew left, skew right, uniform, or bimodal)
- (b) Estimate the range of the distribution (range = max-min).
- (c) What percent of the measurements are less than 10.8?
- (d) What percent of the measurements are less than 10.6?
- (e) Of the measurements less than 10.8, what percent are less than 10.6?
- (f) Estimate the value of the 17.5th percentile.

- (a) skew left
- (b) 2.8
- (c) 1.5%
- (d) 0.25%
- (e) 16.67%
- (f) 11.8

A continuous random variable was measured 400 times. The histogram is shown below.

Histogram of measurements

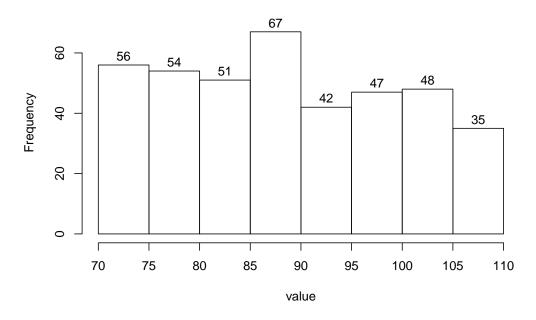


- (a) Describe the overall shape of the distribution. (symmetric mound, skew left, skew right, uniform, or bimodal)
- (b) Estimate the range of the distribution (range = max-min).
- (c) What percent of the measurements are less than 50?
- (d) What percent of the measurements are greater than 40?
- (e) Of the measurements less than 50, what percent are greater than 40?
- (f) Estimate the value of the 98th percentile.

- (a) symmetric mound
- (b) 45
- (c) 9.5%
- (d) 100%
- (e) 100%
- (f) 75

A continuous random variable was measured 400 times. The histogram is shown below.

Histogram of measurements

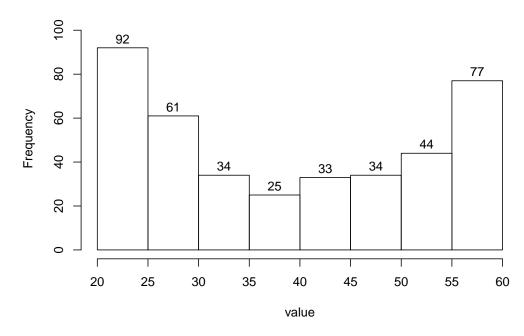


- (a) Describe the overall shape of the distribution. (symmetric mound, skew left, skew right, uniform, or bimodal)
- (b) Estimate the range of the distribution (range = max-min).
- (c) What percent of the measurements are less than 90?
- (d) What percent of the measurements are less than 85?
- (e) Of the measurements less than 90, what percent are less than 85?
- (f) Estimate the value of the 67.5th percentile.

- (a) uniform
- (b) 40
- (c) 57%
- (d) 40.25%
- (e) 70.61%
- (f) 95

A continuous random variable was measured 400 times. The histogram is shown below.

Histogram of measurements

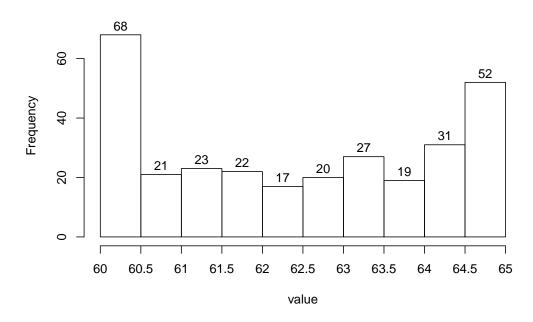


- (a) Describe the overall shape of the distribution. (symmetric mound, skew left, skew right, uniform, or bimodal)
- (b) Estimate the range of the distribution (range = max-min).
- (c) What percent of the measurements are less than 35?
- (d) What percent of the measurements are greater than 25?
- (e) Of the measurements less than 35, what percent are greater than 25?
- (f) Estimate the value of the 38.25th percentile.

- (a) bimodal
- (b) 40
- (c) 46.75%
- (d) 77%
- (e) 50.8%
- (f) 30

A continuous random variable was measured 300 times. The histogram is shown below.

Histogram of measurements

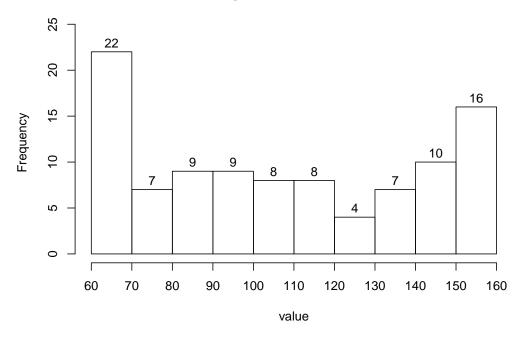


- (a) Describe the overall shape of the distribution. (symmetric mound, skew left, skew right, uniform, or bimodal)
- (b) Estimate the range of the distribution (range = max-min).
- (c) What percent of the measurements are less than 62?
- (d) What percent of the measurements are less than 61.5?
- (e) Of the measurements less than 62, what percent are less than 61.5?
- (f) Estimate the value of the 22.67th percentile.

- (a) bimodal
- (b) 5
- (c) 44.67%
- (d) 37.33%
- (e) 83.58%
- (f) 60.5

A continuous random variable was measured 100 times. The histogram is shown below.

Histogram of measurements

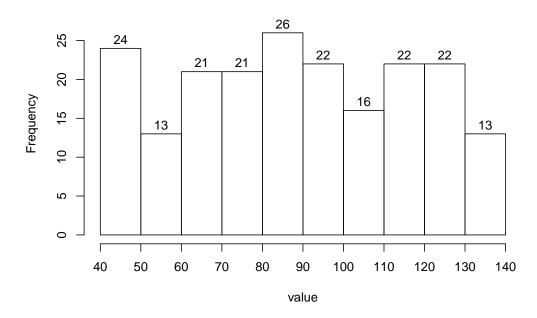


- (a) Describe the overall shape of the distribution. (symmetric mound, skew left, skew right, uniform, or bimodal)
- (b) Estimate the range of the distribution (range = max-min).
- (c) What percent of the measurements are greater than 130?
- (d) What percent of the measurements are less than 150?
- (e) Of the measurements greater than 130, what percent are less than 150?
- (f) Estimate the value of the 74th percentile.

- (a) bimodal
- (b) 100
- (c) 33%
- (d) 84%
- (e) 51.52%
- (f) 140

A continuous random variable was measured 200 times. The histogram is shown below.

Histogram of measurements

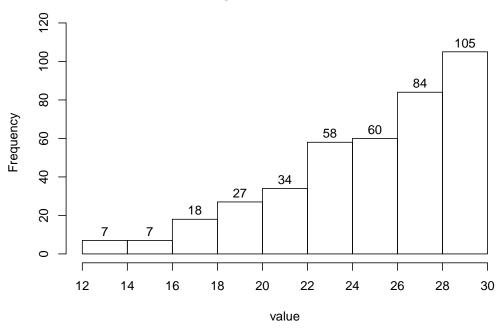


- (a) Describe the overall shape of the distribution. (symmetric mound, skew left, skew right, uniform, or bimodal)
- (b) Estimate the range of the distribution (range = max-min).
- (c) What percent of the measurements are greater than 110?
- (d) What percent of the measurements are greater than 130?
- (e) Of the measurements greater than 110, what percent are greater than 130?
- (f) Estimate the value of the 39.5th percentile.

- (a) uniform
- (b) 100
- (c) 28.5%
- (d) 6.5%
- (e) 22.81%
- (f) 80

A continuous random variable was measured 400 times. The histogram is shown below.

Histogram of measurements



- (a) Describe the overall shape of the distribution. (symmetric mound, skew left, skew right, uniform, or bimodal)
- (b) Estimate the range of the distribution (range = max-min).
- (c) What percent of the measurements are less than 22?
- (d) What percent of the measurements are less than 16?
- (e) Of the measurements less than 22, what percent are less than 16?
- (f) Estimate the value of the 8th percentile.

- (a) skew left
- (b) 18
- (c) 23.25%
- (d) 3.5%
- (e) 15.05%
- (f) 18