

In-Video Quiz Questions for
Unit 4: Part 4 – (1) Comparing More than Two Means

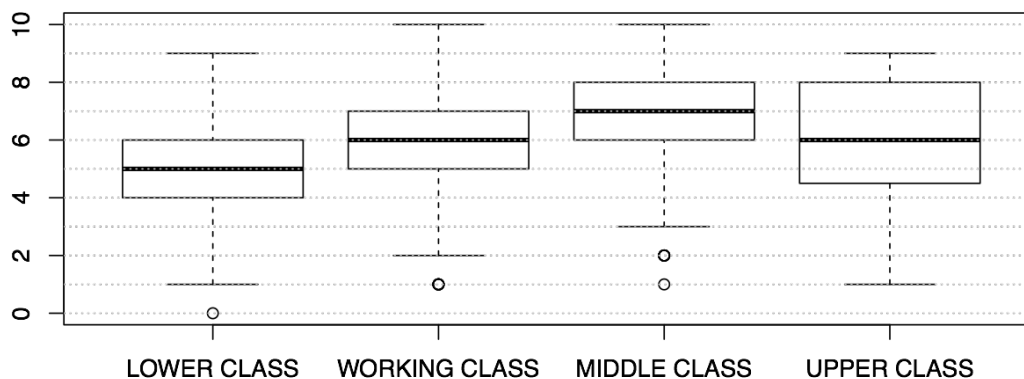
(02:03) – slide 4, after “This variable is a numerical variable that ranges from zero to ten, so a histogram is a good option for visualizing this distribution.”

1. Which of the following is false about the distribution?

- (a) unimodal
- (b) slightly left skewed
- (c) uniform
- (d) centered around 5

(03:14) – slide 6, after “And we can also take a look at the summary statistics from each one of the individual groups, and compare that to how each group compares to the overall mean, or the overall standard deviation.”

2. Which of the following is false based on the side-by-side box plots provided?

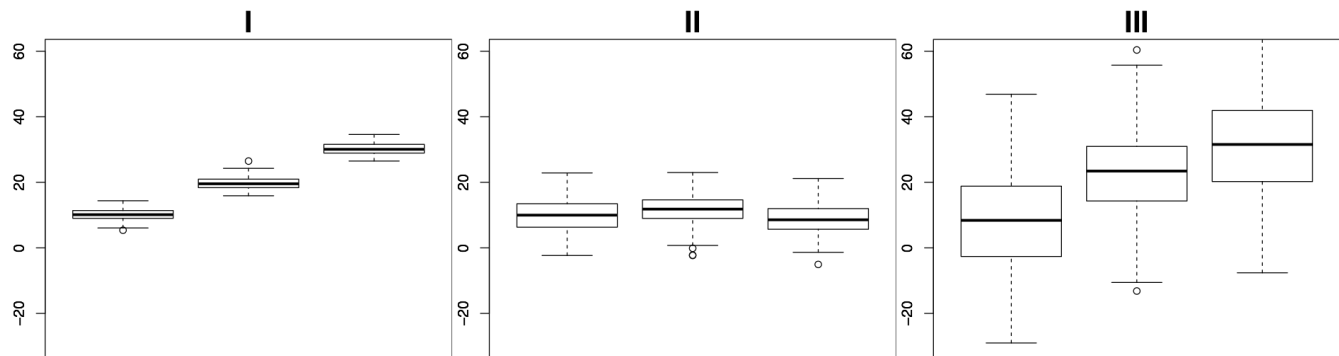


- (a) The distribution of scores for middle class respondents are left skewed.
- (b) Number of people who scored below the median in the lower class group are fewer than the number of people who scored below the median in the working class group.
- (c) The upper class group has the most variability in scores

- (d) Percentage of people who scored below the median in the lower class group are fewer than the percentage of people who scored below the median in the working class group.

(04:00) – slide 7, after “Which of the following plots shows groups with means that are most and least likely to be significantly different from each other?”

3. Which of the following plots shows groups with means that are most and least likely to be significantly different from each other?



- (a) most: I, least: II
(b) most: II, least: III
(c) most: I, least: III
(d) most: III, least: II
(e) most: II, least: I

Answers:

1. c
2. d
3. a