In-Video Quiz Questions for
Unit 4, Part 3: (1) Comparing more than two means

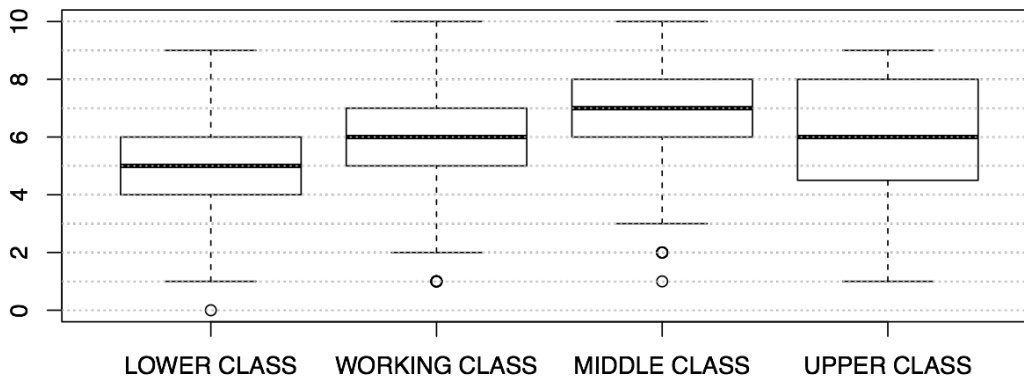**(01:31)**

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

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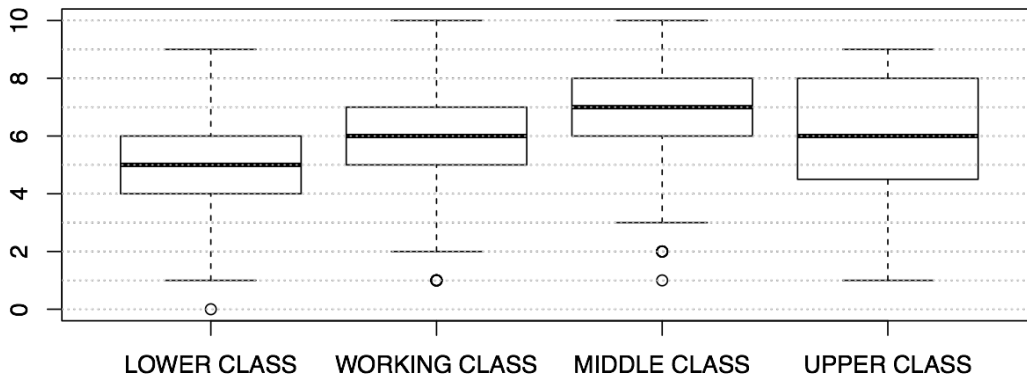   (c) uniform
   (d) centered around 5

(01:55)

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

(02:19)

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

Explanation: The distribution is unimodal with one prominent peak, not uniform.

2. d

Explanation: Percentage of observations above the median is always 50%.

3. a

Explanation: See video for explanation.