In-Video Quiz Questions for
Unit 4: Part 3 – (3) Inference for Comparing Two Small Sample Means

(07:21) – slide 4, after "So the next step is simply to find the P value."

1. What is the p-value?

(a)   between 0.005 and 0.01

(b)   between 0.01 and 0.02

(c)   between 0.025 and 0.05

(d)   between 0.05 and 0.10

(e)   between 0.10 and 0.20

(08:39) – slide 5, after "Then, our margin of error comes out to be 23.17 grams and the overall confidence interval can be constructed as 25 plus or minus that margin of error which when you do the math comes out to 1.83 grams to 48.17 grams."

2. Which of the following is the best interpretation for this interval?

We are 95% confident that…

(a)   the difference between the average snack consumption of those who eat with and without distractions is between 1.83 g and 48.17 g.

(b)   those who eat with distractions consume between 1.83 g and 48.17 g more snacks than those who eat without distractions, on average.

(c)   those who eat with distractions consume between 1.83 g and 48.17 g less snacks than those who eat without distractions, on average.

(d)   those who eat with distractions consume between 1.83 g less to 48.17 g more snacks than those who eat without distractions, on average.

(e)   those who eat with distractions consume between 1.83 g more to 48.17 g less snacks than those who eat without distractions, on average.

Answers:

1. c
2. b