

Confidence Intervals Assessment

Latest Submission Grade 100%

1. What variable is used in the column 'napping' to indicate a toddler takes a nap?

1 / 1 point

1



Correct

2. What is the sample size n ?

1 / 1 point

20



Correct

3. What is the sample size for toddlers who nap, n_1 ?

1 / 1 point

15



Correct

4. What is the sample size for toddler who do not nap, n_2 ?

1 / 1 point

5

✓ Correct

5. Given our sample sizes of n_1 and n_2 for napping and non-napping toddlers respectively, how many degrees of freedom (df) are there for the associated t distributions?

1 / 1 point

Note your answer in the following format: x, y

☐ 12, 26

☐ 4, 14

☒ 14, 4

☐ 15, 3

☐ 26, 12

✓ Correct

6. What is t^* for nap and no nap?

1 / 1 point

(Note your answer in the following format truncated after the third decimal place: #.###, #.###)

☒ 2.144, 2.776

☐ 4.446, 5.237

☐ 1.986, 2.149

☐ 2.255, 3.125

✓ Correct

7. What is the 95% confidence interval for the average bedtime for **toddlers who nap**?

1 / 1 point

(Note your answer rounded to four decimal places)

☐ (19.9210, 20.6870)

☐ (20.0352, 20.5728)

☐ (18.9597, 20.2203)

☒ (19.9767, 20.6313)

☒ **Correct**

8. What is the 95% confidence interval for the average bedtime for **toddlers who do not nap**?

1 / 1 point

Note your answer rounded to four decimal places)

☐ (19.9767, 20.6313)

☐ (19.1061, 20.0739)

☒ (18.9597, 20.2203)

☐ (18.7965, 20.3835)

☒ **Correct**