

Question 6

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question

If we set the significance level of this test to 0.01, what would be the critical value for the t--score is:

- ☐ a. 2.602
- ☐ b. 2.878
- ☐ c. 2.898
- ☒ d. 2.977
- ☐ e. 2.921
- ☐ f. 2.624
- ☐ g. 2.947

[Clear my choice](#)

Question 7

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For an F distribution the value of $F_{0.9, 10, 20}$ is :

- ☐ a. 2.2
- ☐ b. 1.94
- ☐ c. 0.516
- ☒ d. 0.455
- ☐ e. None of the mentioned

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☐ c. $H_0: \mu_1 - \mu_2 < 0$

☐ d. $H_0: \mu_2 > 0$

☐ e. $H_0: \mu_1 \neq 0$

Clear my choice

Question 2

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Question

The standard error of the difference between the mean life satisfaction scores of users and non-users of Facebook is:

☐ a. 8.62

☐ b. 81

☐ c. 3.85

☒ d. 9

☐ e. 74.27

Clear my choice

Question 3

Not yet
answered

The value of the test statistic for this study is:

☐ c. $H_0: \mu_1 - \mu_2 < 0$

☐ d. $H_0: \mu_2 > 0$

☐ e. $H_0: \mu_1 \neq 0$

Clear my choice

Question 2

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Clear my choice

Question 3

Not yet
answered

The value of the test statistic for this study is:

Question 1

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A research study was conducted to examine the effect of Facebook on perceived life satisfaction. eight subjects were selected who have never had a Facebook account and another eight subjects were randomly selected from a set of active Facebook users. All subjects were given a life satisfaction test known to have high reliability and validity. Scores are selected on a scale ranging from 0 to 60 with high scores indicating high life satisfaction; and low scores indicating low life satisfaction. The data are presented below. Use $\alpha = .01$, and assume equal variances.

No Facebook	45	38	52	48	25	39	51	46
Active Facebook	34	22	15	27	37	41	24	19

The alternative hypothesis for this study is:

- ☒ a. $H_0: \mu_1 - \mu_2 \neq 0$
- ☐ b. $H_0: \mu_1 - \mu_2 > 0$
- ☐ c. $H_0: \mu_1 - \mu_2 < 0$
- ☐ d. $H_0: \mu_2 > 0$
- ☐ e. $H_0: \mu_1 \neq 0$

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Finish

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Question 3

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question

The value of the test statistic for this study is:

- ☐ a. None of the mentioned
- ☐ b. 4.41
- ☒ c. 3.47
- ☐ d. 1.9
- ☐ e. 4.26

Clear my choice

Question 4

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The degrees of freedom for this study is:

- ☐ a. 17
- ☐ b. 8
- ☐ c. 18
- ☒ d. 14
- ☐ e. 15
- ☐ f. 7
- ☐ g. 16

Clear my choice