

# BUS 322 S22 Test 3 Answer Sheet

## 4/25/22

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00:30:00

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Last Name:

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First Name:

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Email address:

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University's ID (last 4 digits):

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This is your Test 3 answer sheet. You have 30 minutes to enter your answers. You are allowed one attempt. Please note the following:

1. When you are on the page with the problem #10, do not click "next" unless you ready to submit your work for grading.
2. All problems are "multiple response", and as such, will require more than one answer.

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Good Luck!!!

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### Question 1 of 10

Problem 1.

- In this section, please answer this question: Is there a difference in earnings at the age of 32? (0 points)
- Yes, there is (10 points)
- No, there is not (0 points)
- Impossible to tell (0 points)
- I do not know (0 points)
- In this section, please answer this question: If there is a difference in earnings, what is that amount? (0 points)
- \$2,260.12 (0 points)
- \$2,083.48 (0 points)
- \$176.64 (10 points)
- 1,647.96 (0 points)
- \$13.61 (0 points)
- \$0 (0 points)
- I do not know (0 points)

(10 points) | \_\_\_\_

Correct

Incorrect

## Question 2 of 10

Problem 2.

- In this section, please select one answer: 1. What is the value of the Coefficient of Determination? 2. What is the quality of this predictor? (0 points)
- 0.0300 and a weak predictor (10 points)
- 0.17339 and a somewhat weak predictor (0 points)
- -0.1231 and a very weak predictor (0 points)
- -0.2324 and a very strong predictor (0 points)

- -0.1765 and so, so predictor (0 points)
- 0.4267 and a strong predictor (0 points)
- I do not know (0 points)
- In this section, please select one answer: What is the value of the Coefficient of Correlation? 2. How strong is the association? (0 points)
- 1.0 and a very strong negative correlation (0 points)
- -0.0103 and weak negative correlation (10 points)
- +0.00103 and a very strong positive correlation (0 points)
- 0.7582 and a very strong positive correlation (0 points)
- I do not know (0 points)

(10 points) | \_\_\_\_

Correct

Incorrect

### Question 3 of 10

Problem 3.

- In this section, please select one answer: What is the critical value? (0 points)
- 0.6250 (0 points)
- -2.5820 (0 points)
- -0.5164 (0 points)
- 4.6052 (10 points)
- I do not know (0 points)
- In this section, please select one answer: What is the test statistic? (0 points)
- 1.2544 (0 points)
- 4.6052 (0 points)

- 2 (0 points)
- 0.525 (0 points)
- 11.73 (10 points)
- I do not know (0 points)
- In this section, please select one answer: Reject Ho? (0 points)
- Yes (10 points)
- No (0 points)
- I do not know (0 points)

(10 points) | \_\_\_\_

Correct

Incorrect

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## Question 4 of 10

Problem 4.

- In this section, please select one answer: What is the MAD value of the forecast A? (0 points)
- 50,000 (0 points)
- 22,3368 (0 points)
- 150,459 (0 points)
- 15,046 (10 points)
- -259 (0 points)
- I do not know (0 points)
- In this section, please select one answer: What is the MAD value of the forecast B? (0 points)
- 20,000 (0 points)
- 11,028 (0 points)
- -122,200 (0 points)
- 12,220 (10 points)

- 119,259 (0 points)
- I do not know (0 points)
- In this section, please select one answer: Which forecasting method is more accurate? (0 points)
- A (0 points)
- B (10 points)
- I do not know (0 points)

(10 points) | \_\_\_\_

Correct

Incorrect

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## Question 5 of 10

Problem 5.

- Please select one answer: What is the index number for the year 15 using the year 5 as the base? (0 points)
- 0.250 (0 points)
- 0.260 (0 points)
- -0.2167 (10 points)
- -0.4560 (0 points)
- 0.141 (0 points)
- 0.180 (0 points)
- I do not know (0 points)

(10 points) | \_\_\_\_

Correct

Incorrect

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## Question 6 of 10

Problem 6.

- Please select one answer: What is the forecasting error for October, created by using the four month weighted moving average? (0 points)
- 2,3,3,3 (0 points)
- 1,282 (0 points)
- 1,341 (0 points)
- 1,382 (0 points)
- -18 (10 points)
- +18 (0 points)
- 0 (0 points)
- I do not know (0 points)

(10 points) | \_\_\_\_

Correct

Incorrect

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## Question 7 of 10

Problem 7.

- In this section, please select the the largest gain in market share at the end of the period 2: (0 points)
- 0.2000 (0 points)
- 0.3000 (0 points)
- 0.5000 (0 points)
- 0.3500 (0 points)
- 0.3360 (0 points)

- 0.1290 (10 points)
- 0.0350 (0 points)
- -0.1640 (0 points)
- I do not know (0 points)
- In this section, please select the store with this largest gain: (0 points)
- A (10 points)
- B (0 points)
- C (0 points)
- none of these (0 points)
- I do not know (0 points)

(10 points) | \_\_\_\_

Correct

Incorrect

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## Question 8 of 10

Problem 8.

- Please select one answer: What is the forecast for the year 10 using exponential smoothing with  $\alpha = 0.1$ . (0 points)
- 1,694 (0 points)
- 0.9 (0 points)
- 1,527.28 (0 points)
- 1,541.25 (0 points)
- 1.54125 (0 points)
- 1,385.00 (10 points)
- I do not know (0 points)

(10 points) | \_\_\_\_

Correct

Incorrect

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## Question 9 of 10

Problem 9.

- Please select one answer: What is the predicted value of the house that has 1,000 square feet, is 35 years old, and has 3 bedrooms? (0 points)
- \$561,000 (0 points)
- \$550,409 (10 points)
- \$750,000 (0 points)
- \$590,000 (0 points)
- \$723,000 (0 points)
- None of these (0 points)
- I do not know (0 points)

(10 points) | \_\_\_\_

Correct

Incorrect

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## Question 10 of 10

Problem 10.

- Please select one answer from this section: What is the Critical Value? (0 points)
- 41.5537 (0 points)
- 6.0129 (10 points)



- 113.14 (0 points)
- 134.8 (0 points)
- 1.7964 (0 points)
- None of these (0 points)
- I do not know (0 points)
- Please select one answer from this section: That is the value of the Test Statistic? (0 points)
- 21.3450 (0 points)
- 17.8727 (0 points)
- 41.5537 (10 points)
- 314 (0 points)
- 402 (0 points)
- I do not know (0 points)
- In this section please select one answer from this section: Should the Ho be rejected? (0 points)
- Y - means are not equal (0 points)
- N - means are equal (10 points)
- Y - means are equal (0 points)
- N - means are not equal (0 points)
- I do not know (0 points)

(10 points) | \_\_\_\_

Correct

Incorrect

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You have reached the end of this answer sheet. Click "next" when you are ready to submit your answers to be graded.