Home / My courses / WQD7006 / QUIZ (ONLINE) - 10 % for ALL GROUPS (G1,G2,G3,RL) / Quiz 2023 10%

| Started on | Saturday, 25 November 2023, 12:30 PM |
|---------------------------------|---|
| | Finished |
| Completed on Time taken | Saturday, 25 November 2023, 12:50 PM |
| | 17.00/18.00 |
| | 9.44 out of 10.00 (94%) |
| Question 1 | |
| Correct | |
| Mark 1.00 out of 1.00 | |
| Given a dataset o | of using age, gender, education level, years of experience to predict salary, what kind of <u>Machine</u> is? |
| a. Regression | · • |
| b. Clustering | |
| oc. Classificat | ion |
| The correct answe | er is: Regression |
| Question 2 | |
| Correct | |
| Mark 1.00 out of 1.00 | |
| Given a dataset c | of using age, gender, education level, years of experience to predict salary, what type of learning is this? |
| a. Reinforcei | ment Learning |
| b. Supervised | d Learning ✓ |
| oc. Unsupervis | sed Learning |
| The correct answe | er is: Supervised Learning |
| | |

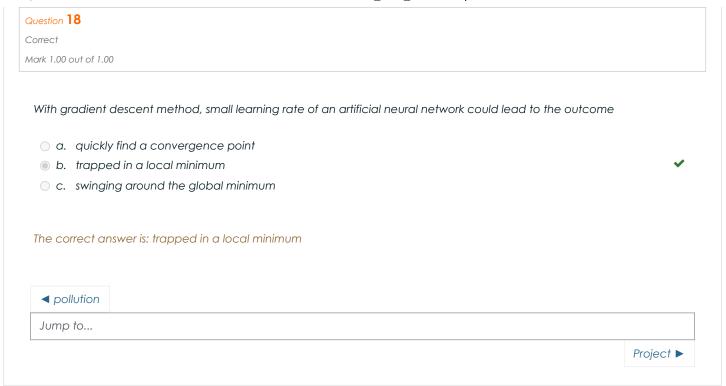
| Correct | |
|---|--|
| Mark 1.00 out of 1.00 | |
| | |
| Given two variables age | and salary that increases together (the older a person, the more salary that person receives, |
| what is the possible corre | elation coefficient values? |
| a. 0.001 | |
| b. 0.72 | |
| ○ c0.5 | |
| The correct answer is: 0.7 | 2 |
| | |
| Question 4 | |
| Correct | |
| Mark 1.00 out of 1.00 | |
| You are given a dataset | of 4000 rows and 20 columns with one target variable. y is the column vector of the target |
| variable, what is the dime | |
| ranado, mai la ma amin | shill of y. |
| | |
| a. 20 x 20 | |
| a. 20 x 20b. 20 x 4000 | |
| a. 20 x 20b. 20 x 4000c. 1 x 4000 | |
| a. 20 x 20b. 20 x 4000 | |
| a. 20 x 20b. 20 x 4000c. 1 x 4000 | |
| a. 20 x 20 b. 20 x 4000 c. 1 x 4000 d. 4000 x 1 | |
| a. 20 x 20 b. 20 x 4000 c. 1 x 4000 d. 4000 x 1 The correct answer is: 400 | |
| a. 20 x 20 b. 20 x 4000 c. 1 x 4000 d. 4000 x 1 The correct answer is: 400 Question 5 | |
| a. 20 x 20 b. 20 x 4000 c. 1 x 4000 d. 4000 x 1 The correct answer is: 400 Question 5 Correct | |
| a. 20 x 20 b. 20 x 4000 c. 1 x 4000 d. 4000 x 1 The correct answer is: 400 Question 5 Correct | |
| a. 20 x 20 b. 20 x 4000 c. 1 x 4000 d. 4000 x 1 The correct answer is: 400 Question 5 Correct Mark 1.00 out of 1.00 You are given a dataset | |
| a. 20 x 20 b. 20 x 4000 c. 1 x 4000 d. 4000 x 1 The correct answer is: 400 Question 5 Correct Mark 1.00 out of 1.00 | 00 x 1 |
| a. 20 x 20 b. 20 x 4000 c. 1 x 4000 d. 4000 x 1 The correct answer is: 400 Question 5 Correct Mark 1.00 out of 1.00 You are given a dataset dimension of X? | 00 x 1 |
| a. 20 x 20 b. 20 x 4000 c. 1 x 4000 d. 4000 x 1 The correct answer is: 400 Question 5 Correct Mark 1.00 out of 1.00 You are given a dataset dimension of X? a. 4000 x 19 | 00 x 1 |
| a. 20 x 20 b. 20 x 4000 c. 1 x 4000 d. 4000 x 1 The correct answer is: 400 Question 5 Correct Mark 1.00 out of 1.00 You are given a dataset dimension of X? a. 4000 x 19 b. 20 x 4000 | 00 x 1 |
| a. 20 x 20 b. 20 x 4000 c. 1 x 4000 d. 4000 x 1 The correct answer is: 400 Question 5 Correct Mark 1.00 out of 1.00 You are given a dataset dimension of X? a. 4000 x 19 b. 20 x 4000 c. 19 x 4000 | 00 x 1 |
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| a. 20 x 20 b. 20 x 4000 c. 1 x 4000 d. 4000 x 1 The correct answer is: 400 Question 5 Correct Mark 1.00 out of 1.00 You are given a dataset dimension of X? a. 4000 x 19 b. 20 x 4000 c. 19 x 4000 | 00 x 1 of 4000 rows and 20 columns with one target variable. X is the feature matrix, what is the |

| nown, what is P(X)? |
|-----------------------|
| |
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| |
| nown, what is P(X,Y)? |
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| Question 9 | |
|---------------------------|--|
| Correct | |
| Mark 1.00 out of | 1.00 |
| | |
| What is P(Y) | |
| a. Prior | r probability |
| ob. Join | t probability |
| | ginal Probability |
| | rerior Probability |
| e. Con | nditional Probability |
| The correct | answer is: Marginal Probability |
| Question 10 | |
| Correct | |
| Mark 1.00 out of | 1.00 |
| | |
| Identify a ch | naracteristic of supervised learning approach in <u>machine learning</u> . |
| a. Data | a patterns can be discovered without guidance. |
| | suitable for data mining. |
| c. Desi | ired output need to be specified. |
| Od. Nol | abelled data is required in the approach. |
| The correct | answer is: Desired output need to be specified. |
| Question 11 | |
| Correct | |
| Mark 1.00 out of | 1.00 |
| | |
| Identify one | supervised learning method for analogue data prediction. |
| a. Clus | stering |
| b. Reg | ression 🗸 |
| oc. No o | |
| O d. Clas | ssification |
| The correct | answer is: Regression |
| THE COHECT | and the first to grow of the first to the fi |
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| | |

| Is programming knowledge the only skill that a Data Scientist needs? a. Yes, programming knowledge is the only skill that a Data Scientist needs b. No, a Data Scientist only needs domain expertise and statistical knowledge, programming knowledge is not necessary c. No, a Data Scientist also needs domain expertise, statistical knowledge, and communication skills The correct answer is: No, a Data Scientist also needs domain expertise, statistical knowledge, and communication | ~ |
|---|--------|
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| b. No, a Data Scientist only needs domain expertise and statistical knowledge, programming knowledge is not necessary c. No, a Data Scientist also needs domain expertise, statistical knowledge, and communication skills The correct answer is: No, a Data Scientist also needs domain expertise, statistical knowledge, and communication | ~ |
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| The correct answer is: No, a Data Scientist also needs domain expertise, statistical knowledge, and communication | ~ |
| | |
| | skills |
| Question 13 | |
| Correct | |
| Mark 1.00 out of 1.00 | |
| | |
| Gaussian function has the shape of a | |
| oa. square | |
| ○ b. triangle | |
| | ~ |
| ○ d. trapezoid | |
| The correct answer is: bell | |
| Question 14 | |
| Correct | |
| Mark 1.00 out of 1.00 | |

| Question 15 | |
|--------------------|---|
| Correct | |
| Mark 1.00 out | of 1.00 |
| | |
| Name on | e supervised learning method for discrete data prediction. |
| oa. Re | egression |
| b. C. | lassification 🗸 |
| Oc. No | o answer |
| O d. C | lustering |
| The correc | ct answer is: Classification |
| Question 16 | |
| Correct | |
| Mark 1.00 out | of 1.00 |
| Spam em | ail classification and city population growth regression are examples of |
| | |
| | no suitable answer) |
| | nsupervised learning |
| © C. SU | pervised learning |
| The correc | ct answer is: supervised learning |
| Question 17 | |
| Correct | |
| Mark 1.00 out | of 1.00 |
| | |
| What hap | opens when you change the learning rate to a smaller value in gradient descent? |
| oa. Th | ne learning fluctuates |
| b. Th | ne learning is slow |
| O c. Th | ne learning is fast |
| The corre | ct answer is: The learning is slow |
| | |
| | |
| | |



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