

K-NN Quiz

Due No due date	Points 2	Questions 2
Available after Mar 10 at 12:55		Time Limit None
Allowed Attempts Unlimited		

Take the Quiz Again

Attempt History

	Attempt	Time	Score
LATEST	Attempt 1	2 minutes	0 out of 2

Submitted Mar 23 at 18:56

You Answered

Correct!

Question 1

0 / 1 pts

Which statement(s) are incorrect? There might be more than one answer.

☒ K-NN can be used for multi-class classification.

☐ The number of neighbours can impact the performance of K-NN.

☒ K-NN cannot be used for regression.

K-NN can be used for both regression and classification.

☐ Dividing all attribute values by a constant value does not impact the Cosine Similarity.

orrect Answer

☐

Manhattan Distance is more sensitive to bigger differences than Eucledian Distance.

Question 2

0 / 1 pts

In the below table, the distance values of a test instance from train instances are provided. Find the class label for the test instance using K-NN with K=5 and Inverse Distance (ID) Weighting Strategies.

Instance	Class	Distance
1	A	1
2	B	1.5
3	C	2
4	B	1.5
5	A	3
6	C	0.5
7	A	1.25

orrect Answer

☐ C☐ B☐ A

ou Answered

☒ The information is not enough.