

Milestone 4	Milestone 6
0.3	0.1
0.6	0.1

 Kahoot

MLBD Daylight Saving quiz

Questions (10)

BKT can represent relationships between different skills.

◆ True

▲ False ✓

Which similarity metric could we use to compare the proportion of time each student spent per milestone of the project?

	Milestone 1	Milestone 2	Milestone 3	Milestone 4
Student 1	0.2	0.3	0.1	0.4
Student 2	0.1	0.6	0.1	0.2
...				

▲ Jaccard distance

◆ Levenshtein distance

● Kullback-Leibler distance ✓

■ Hamming distance

Which of the following models' algorithm uses bootstrap during the training phase?

▲ AFM

◆ BKT

● RF ✓

■ KNN

Which of the following is true?

A data scientist builds a regression model to predict increasing student knowledge over the semester. They assume that students start at different levels of prior knowledge, but all have the same learning rate. The planned regression model uses:

▲ a fixed intercept and random slope

◆ a random intercept and a fixed slope ✓

● a fixed intercept and a fixed slope

■ a random intercept and a random slope

This KT model uses the # of opportunities the student had per skill and treats prior successes and failures the same.

▲ AFM



◆ PFA

● BKT

In a leave-one-out cross-validation, how many samples are there in each fold? The dataset has 100 samples.

▲ 1



◆ 100

● 99

■ 25

Which of the following information scores penalizes complex models more?

▲ BIC



◆ AIC

Which of the following models is a non-parametric model?

▲ PFA

◆ RF

● BKT

■ KNN



For comparing users by the products they have purchased, which similarity metric is best to use?

	Product 1	Product 2	Product 3	...
User 1	notebook	pens	USB charger	
User 2	headset	iPad	pens	
...				

▲ Kullback-Leibler Distance

◆ Levenshtein Distance

● Hamming Distance

■ Jaccard Distance ✓

Which of the following statements about Pearson's correlation is true?

If two variables X, Y have
▲ correlation = 0, then X, Y are dependent.

If two variables X, Y have
◆ correlation = 0, then X, Y are independent.

● If X, Y are dependent variables, then their correlation = 0.

If X, Y are independent variables, then their correlation = 0. ✓

Details

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