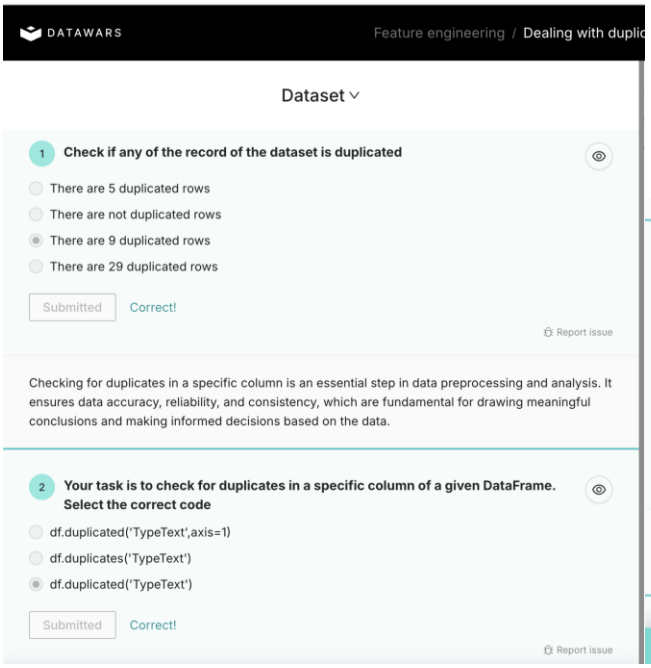
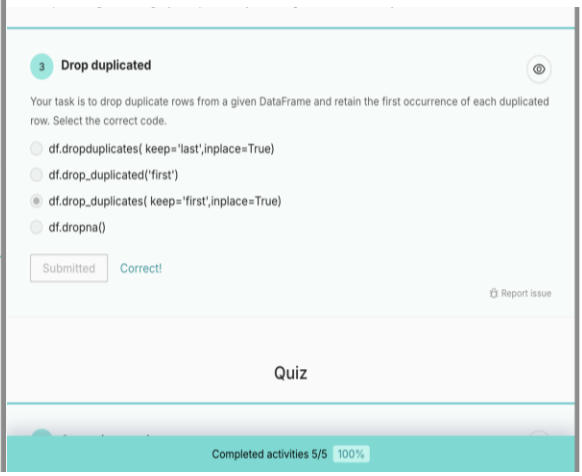
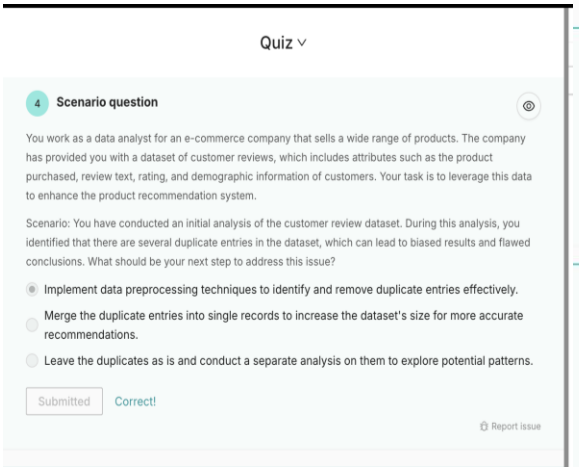
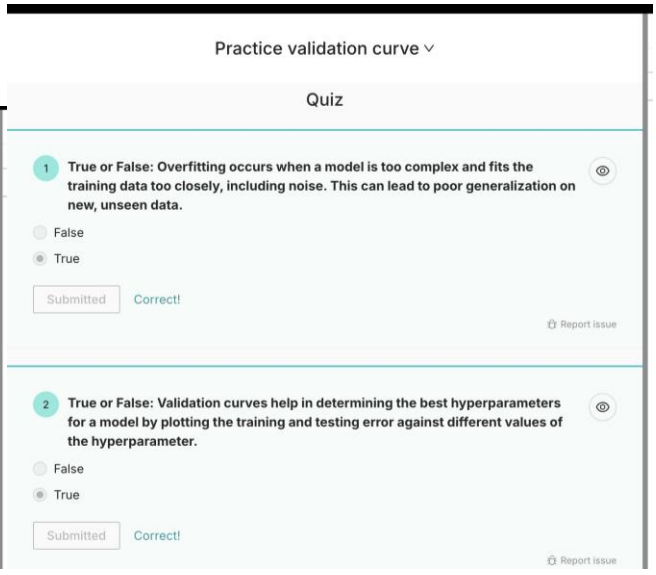
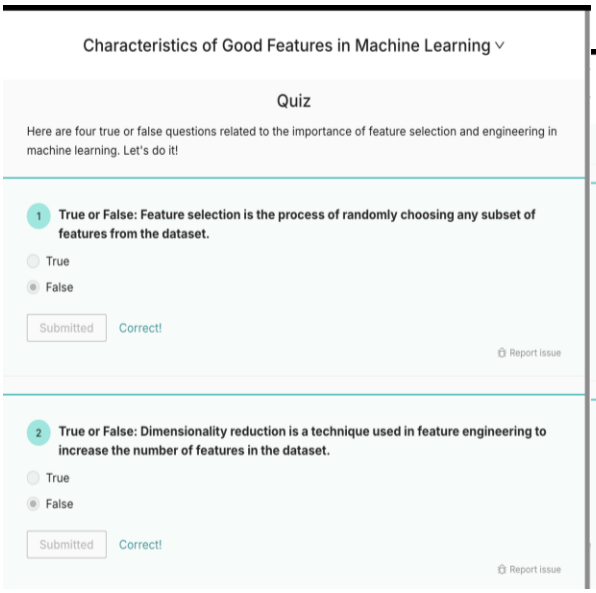
DATAWARS TASK 2:

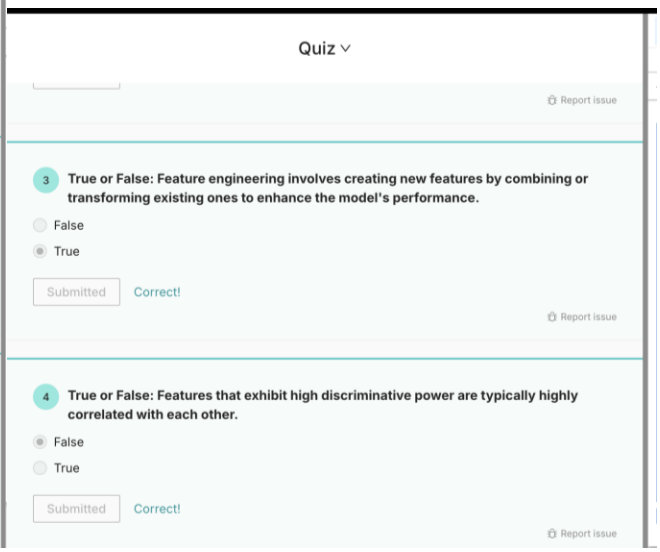


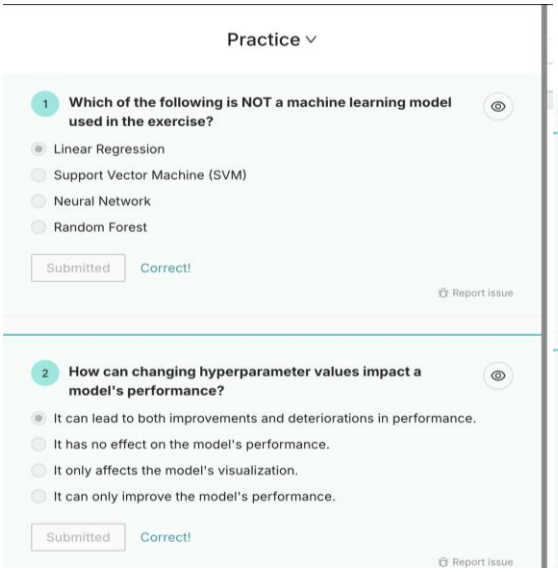


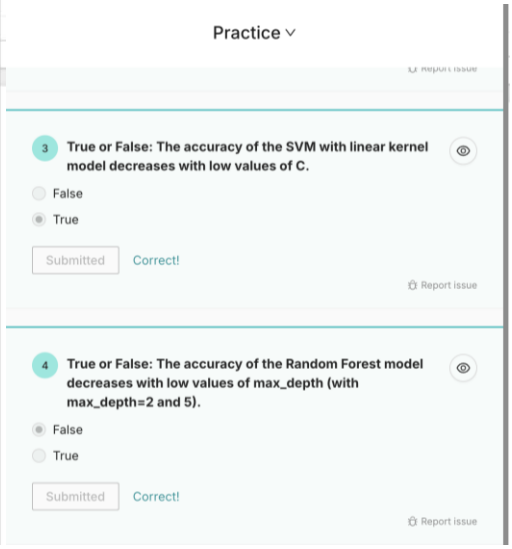





Characteristics of Good Features in Machine Learning
Quiz
Here are four true or false questions related to the importance of feature selection and engineering in machine learning. Let's do it!
1 True or False: Feature selection is the process of randomly choosing any subset of features from the dataset.
True
False
Submitted
Correct!
Report issue
2 True or False: Dimensionality reduction is a technique used in feature engineering to increase the number of features in the dataset.
True
False
Submitted
Correct!
Report issue


Quiz
Report issue
3 True or False: Feature engineering involves creating new features by combining or transforming existing ones to enhance the model's performance.
False
True
Submitted
Correct!
Report issue
4 True or False: Features that exhibit high discriminative power are typically highly correlated with each other.
False
True
Submitted
Correct!
Report issue


Practice
1 Which of the following is NOT a machine learning model used in the exercise?
Linear Regression
Support Vector Machine (SVM)
Neural Network
Random Forest
Submitted
Correct!
Report issue
2 How can changing hyperparameter values impact a model's performance?
It can lead to both improvements and deteriorations in performance.
It has no effect on the model's performance.
It only affects the model's visualization.
It can only improve the model's performance.
Submitted
Correct!
Report issue


Practice
3 True or False: The accuracy of the SVM with linear kernel model decreases with low values of C.
False
True
Submitted
Correct!
Report issue
4 True or False: The accuracy of the Random Forest model decreases with low values of max_depth (with max_depth=2 and 5).
False
True
Submitted
Correct!
Report issue