Microsoft: DAT203x Data Science and Machine Learning Essentials

QUESTION 1 (1/1 point)

Which three of the following are reasons for visualizing a data set before attempting to build a supervised machine learning model?

- [x] Develop an understanding of the relationship between the features and the label to determine which features are likely to be predictive of the label and should be used in training the machine learning model. ✔
- [ ] Develop an understanding of the relationship between the features to determine which features are most likely to be predictive of other features when training the machine learning model.
- [x] Develop an understanding of which features are redundant or collinear with other features and should be eliminated from the dataset before training the machine learning model. ✔
- [x] Find features that are not likely to be predictive of the label and should be removed from the dataset before training the machine learning model. ✔

✔

Note: Make sure you select all of the correct options—there may be more than one!

EXPLANATION

Visualizing a dataset enables you to develop an understanding of the relationship between the features and the label to determine which features are likely to be predictive of the label and should be used in training the machine learning model, develop an understanding of which features are redundant or collinear with other features and should be eliminated from the dataset before training the machine learning model, and find features that are not likely to be predictive of the label and should be removed from the dataset before training the machine learning model.

You have used 1 of 2 submissions

Classification, and Unsupervised Learning