Your grade: 100%

Your latest: **100%** • Your highest: **100%** • To pass you need at least 66%. We keep your highest score.

Next item →

1. Which statement about unsupervised algorithms is TRUE? 1 / 1 point

- ○ Unsupervised algorithms are relevant when we have outcomes we are trying to predict.
- ◉ Unsupervised algorithms are relevant when we don't have the outcomes we are trying to predict and when we want to break down our data set into smaller groups.
- ○ Unsupervised algorithms are typically used to forecast time related patterns like stock market trends or sales forecasts.
- ○ Unsupervised algorithms are relevant in cases that require explainability, for example comparing parameters from one model to another.

Correct
Correct! They are helpful to find structures within our data set and when we want to partition our data set into smaller pieces for a better performance.

2. What is one of the real-world solutions to fix the problems of the curse dimensionality? 1 / 1 point

- ○ Increase the size of the data set
- ○ Use more computational power
- ◉ Reduce the dimension of the data set.
- ○ Balance the classes of a data set

Correct
Correct! By doing dimensionality reduction we can improve both the performance and the interpretability of this grouping.

3. Which statement is a common use of Dimension Reduction in the real world? 1 / 1 point

- ◉ Image tracking
- ○ Explaining the relation between the amount of alcohol consumption and diabetes.
- ○ Deep Learning
- ○ Predicting whether a customer will return to a store to make a major purchase.

Correct
Correct! This is an example of reduce data to the primary factors.