

## Unit 3: Solutions

### Question 1

The dissimilarity measure used for K means clustering is:

- a. Residual Sum of Squares
- b. Euclidean Distance**
- c. Error Loss
- d. Reward

### Question 2

In an association rule, the lift is a measure of the \_\_\_\_\_ between two or more inputs.

- a. Statistical Significance
- b. Strength
- c. Causality
- d. Dependency**

### Question 3

True or **False**, a combinatorial algorithm used for cluster analysis works directly on the observed data by referencing an underlying probability model.

### Question 4

The goal of a reinforcement learning algorithm is to learn the best **policy**, which is the sequence of actions that maximizes the total reward.

### Question 5

When an association rule is applied to binary input data, it is referred to as **Market Basket** analysis.