

TASK 3: Finding the winning weight vector: Find the weight vector with the shortest distance to the sample vector. This can be done using similarity metrics, and a common one to use is euclidean distance.

TASK 3 Demo Outline: "Finding the winning weight vector"

1. Create a method that uses the Euclidean Distance similarity metric to find the winning weight vector
2. Create a method that uses the Cosine similarity metric to find the winning weight vector
3. Create a method that uses the Pearson Correlation Coefficient similarity metric to find the winning weight vector