

PLAGIARISM SCAN REPORT

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Date

December 22, 2021

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784

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0

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6

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Support Vector Machine, or SVM, is a prominent Supervised Learning technique that is used for both classification and regression issues. However, it is mostly utilised in Machine Learning for Classification difficulties. The SVM algorithm's purpose is to find the optimum line or decision boundary for categorising n-dimensional space so that we may simply place fresh data points in the proper category in the future. A hyperplane is the optimal choice boundary. SVM selects the extreme points/vectors that aid in the creation of the hyperplane. These extreme examples are referred to as support vectors, and the technique is known as the Support Vector Machine. Consider the diagram below, which shows two distinct categories that are separated by a decision boundary or hyperplane.