**SUPPORT VECTOR MACHINE**

The SVM classifier works by separating between two classes. All the data points that fall on one side will be labeled as one class and all the points that fall on the other side will be labeled as the second. Sounds simple enough, but there’s an infinite amount of to choose from. The SVM algorithm will not only separates the two classes but stays as far away from the closest samples as possible. With our dataset of the prediction of apples and oranges, support vector machine separates the apples from the oranges but in picking the best possible separation, there was a foreign entity in one class.

