

The is a supervised machine learning algorithm which is used to solve both classification and regression problem by finding an optimal hyperplane.

Note: A hypexplane having the maximum maxginal distance is considered to be optimal/best hypexplane.

-> Equations of straight line:

· y = mx + C · y = 00 + 0,x = 0\forall x · y = w0 + w,x = w\forall x · ax + by + C = 0 All equations are some.







