

Terminologies

- ① Support vectors
- ② Hyperplane
- ③ Margin

SUPPORT VECTOR MACHINE

Core Idea :

To Find a maximum margin hyperplane (MMH)

① Type : Supervised Learning

② Solves : Classification & Regression Tasks.

Non-linear

and inseparable planes.

(Kernel Trick) : Input : low-dimensional Input (space).

Output : High dimensional output (space)

Kernel Types :

- ① Linear kernel
- ② Polynomial kernel
- ③ RBF kernel
- ④ sigmoid kernel