	Support Vector Machine: (SVM)
	Both Clamfication and Regression
	Geometric Intuition:- Many planes
	* * * * Superate the
	XX x x x Superate the
	Seperates +ve Seperates +ve
	pts from -ve points xxx
	as widely as possible.
	T,
	points that are close to hyperplane have less probability of belonging to
	a class that hyperplane classifies that ofs. That are fewther to the
	hyperplane. The Seperates points as forther
	x x x / as pamible than TI
	hyperplane. Ti - Seperates points as forther as possible than ti Ti+, Ti- touch * * * * The 1st point The respective Ti+ Perplane.
(the 1st point / / x x x TI- wargin wasinising
	latr. Herr respective Tit / hyperplane.
(元!
	Let TI+ be a plane 11 to TI dist (TI+, TI-) = d, is Constant TI- be a plane 11 to TI Stargin
	Let TI+ be a plane 11 to TI dist (TI+, TI-) = d, is Constant TI- be a plane 11 to TI SMargin
	SVM: Tries to manimizes the margin
	Margin 1; Generalization a cewacy 1
	Margin 1; Generalization a cewacy 1 Accuracy on unseen Data; New data

