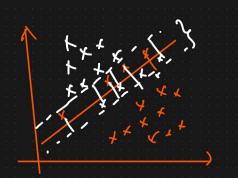
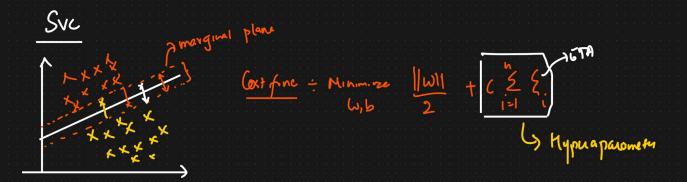
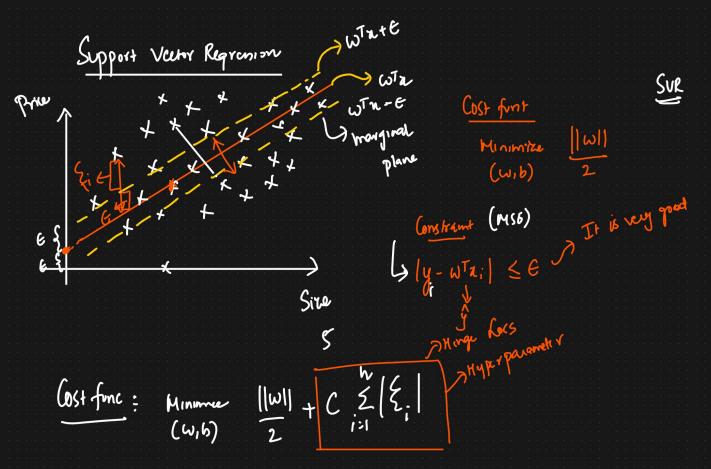
## SVM (Support Yeator Machines) Mh Algorithms Tasks 1) Classification @ Regression Support Vector Classifier shard marginal plane Shypuplane > Soft marginal plane & y:0,+0,x y=30+31x J= mx +C Y= W1x1+ W2x2+ W3x3+b y= w2+6 Y=mm+C -> Equation of a straight line an+ by + c = 0 3(4) + 2(4) + 4 = 0 $y = -\frac{a}{b}(x) - \frac{c}{b}$ 24 =) tre 3nt 2y + 4=0 3(-4) +2(0) +4 2 components W→ magnitude & -12 + 0+4 L) veros = [-8]

Such that
$$\begin{cases}
41 & \omega^{Ta+b} > 1 \\
-1 & \omega^{T}n+b \leq -1
\end{cases}$$



awid misclanification?





Constraint

14:-Wizil & E + 12;)

