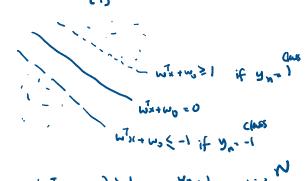
https://towardsdatascience.com/implementing-svm-from-scratch-784e4ad0bc6a



$$||u|| = \frac{1}{2} ||u||^{2} \quad \text{s.t.} \quad ||y_{n}(w^{T}x_{n} + w_{0})| > 1$$

$$0 > 1 - y_{n}(w^{T}x_{n} + w_{0})$$

$$\frac{3h}{3k(u)} = 0$$

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