

(2) Assocration Vollen - self-supervises

Supresied

1) Classification

2) Repression

Recommendation

mobile -s wer

X

10:53 AM

4 -> Conitinous

degree 1

y = (mx + (c)

Slope

insercept

din & plane = no. 5

axt by t cz = c

y = m1x1 + m2x2

J= MIXI+ M2/2-

h-le atues

 $h_{\theta}(x) = y = \omega_{1} \times_{1} + \omega_{2} \times_{2} - \frac{1}{2} \times_{1} \times_{1} + \omega_{2} \times_{2} - \frac{1}{2} \times_{1} \times_{1} \times_{1} + \omega_{2} \times_{2} - \frac{1}{2} \times_{1} \times_{1} \times_{1} \times_{2} + \omega_{2} \times_{2} \times_{2} - \frac{1}{2} \times_{1} \times_{1} \times_{2} \times_{2} + \omega_{2} \times_{2} \times_{2}$ 

16 feature -> no. of we

Thompson 
$$\frac{x}{y} = \frac{x}{y} + \frac{x}{y}$$

Thompson  $\frac{x}{y} = \frac{x}{y} + \frac{x}{y}$ 

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Loss: 18 | y. - y. Meen Absolute

Assume Dota is Gaussian

Loss: MSE

= [ [ ( Ji - y ) ] m izi

Ophnikation Algo

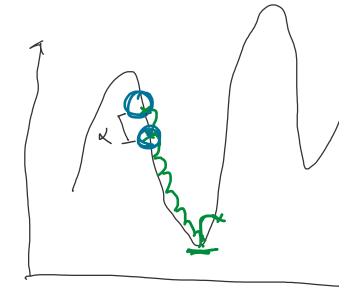
Gradient Descent + hill climbing

Global Minima

(o(a) minima

Dlocal Minima

f(x)



Gradient Descent Egn

 $\times = \times \frac{1}{\sqrt{2}} \frac{\sqrt{2}}{\sqrt{2}} \times$ 

Step-Size/lean
hyperparane

