Dhis = \$0,x; = OTax your o = [on] (n(i), y(i)) is trained in X = [xin] 60(n) = 6(n) J(0) = { 5 (ho (n(1)) - y(1)) 2 Task => Choose O s.t. J(0) is minimum $\frac{dn^2}{dn} = 2n^2$ OLMS Algol Grandient descent) Starts with O (say 0 = 5) 0; = 0; - 120; (J10))
assignment assignment (20)

assignment (20)

assignment (20)

assignment (20)

(Size of Stee towards
2 a uniuma)

2 1 (ho(n) - y) = 1 x (ho(n) - y) · 20; (\$ 0:x: - y) = (ho(n)-y).(xj.) Oj:= Oj - x (ho (2(1)) - y(1)). x; Ten Repeat this until convergence (for j=0,1, ..., n) } 10j:= 0j - x5(ho(x11) - y11) x(1)