model polinomu ho (x1 = 00 + 01 x 2 - ve 3. nerosyon hesoplona $\theta_0 = 0.2$ $\theta_1 = 0.26$ $\alpha = 0.1$ × | naw, $0.2 + 0.26.0 = 0.2 \perp -0.8$ 0rto(ona molyet $3(0) = \frac{1}{6}((-0.8)^2 + (-1.50)^2 + (-2.28)^2) = \frac{6.21}{1}$ $\Theta_3 = \Theta_3 - \alpha \frac{\partial J(\theta)}{\partial \Theta_7}$ $\frac{\partial S(\theta)}{\partial \theta_0} = \frac{1}{m} \sum_{i=1}^{m} (\theta_0 + \theta_i \cdot x_i - \theta_i) \cdot 1 = \frac{1}{3} \left[(-0.8) + (-0.8) + (-2.26) \right] = -1.54$ 35(0) = x \(\sigma \) + \(\theta \) \(\theta \) + \(\theta \) \(\theta \) = \(\frac{3}{3} \) \(\theta \) + \(\theta \) $\theta_0 = 0.2 - (0.1) \cdot (-1.54) = 1.74$ } 2. recoyor yer! $\theta_0 = 0.2$ B1 = 0.26 - (0.11.1-2.3) = 2.56 Jeni 00 = 1.44 01 = 2.56 // \times | he (x) = | $\frac{y}{0}$ | Hata = 0.74 = 0.74 $\delta(\Theta) = \frac{1}{6} \left((0.74)^2 + (0.8)^2 + (3.86)^2 \right) = \frac{20.7372}{2} = 3.4562$ $\frac{\partial J(\Theta)}{\partial \Theta_0} = \frac{1}{\pi} \sum_{i=1}^{m} (\Theta_0 + \Theta_i \times i - y_i) \cdot 1 = \frac{1}{3} [(0 - 74) + (2.3) + (3.86)] = 2.3$ $\frac{\partial S(\theta)}{\partial \theta_{i}} = \frac{1}{M} \sum_{i=1}^{M} (\theta_{0} + \partial_{i} x_{i} - y_{i}) \cdot x_{i} = \frac{1}{3} \left[(0.76) \cdot 0 + (2.31) + (3.861.2) \right] = 3.34$ 00 = 1.94 - (0.11. (2.3) = 1.51 3. norasyon geni do ve DI = 2.56 - (0.1) (3.34) = 2.226

Heni 00 = 1.51 01 = 2.026 //

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