1 point

Gradient descent for logistic regression

repeat {

$$\left[\frac{1}{m} \sum_{i=1}^{m} \left(f_{...} \left(\vec{x}^{(i)} \right) ...^{(i)} ...^{(i)} \right) \right]$$

Gradient descent for logistic regression

repeat {

$$w_j = w_j - \alpha \left[\frac{1}{m} \sum_{i=1}^{m} \left(f_{\vec{w},b} \left(\vec{x}^{(i)} \right) - y^{(i)} \right) x_j^{(i)} \right]$$

$$b = b - \alpha \left[\frac{1}{m} \sum_{i=1}^{m} \left(f_{\vec{w},b} \left(\vec{x}^{(i)} \right) - y^{(i)} \right) \right]$$

} simultaneous updates

$$f_{\vec{w},b} \left(\vec{x} \right) = \frac{1}{1 + e^{-(\vec{w} \cdot \vec{x} + b)}}$$

1.   Which of the following two statements is a more accurate statement about gradient descent for logistic