Joelle Pineau
Dec 7, 2020
CSCE 580

1. a. $Loss(X, y, w) = (\sigma(w \cdot \phi(X)) - y)^2$

b. $\nabla Loss(X, y, w) = 2(p - y)p(1 - p)\phi(X)$ $\quad p = \sigma(w \cdot \phi(X))$, $p \in [0, 1]$