Regularization (min & (w))
=> weight decay +>11|w||\_F  $(\mathcal{W}(t+1)) = ((1-\alpha)) \cdot \mathcal{W}(t) - \gamma \gamma \mathcal{J}(\mathcal{W}(t))$ =) dropout Augmentation. (=> next time) => Pata =) Batch Norm. => Early stopping. 2 5GD

plias increase complexity

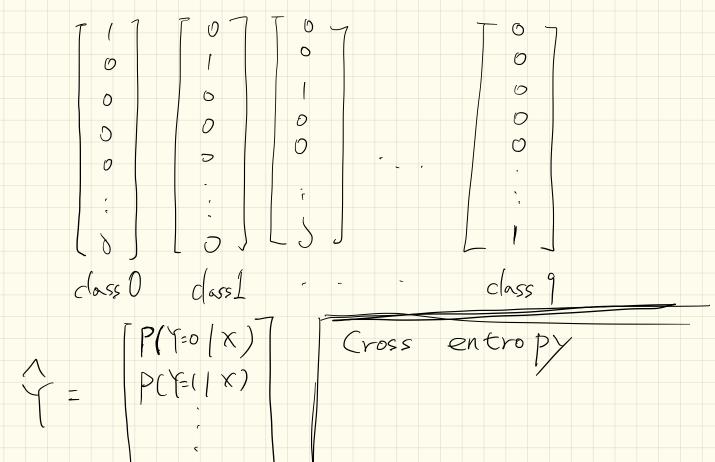
John Source

John

$$\hat{M}^{(c)} = 0$$

$$\hat{M}^{(c)} = (1-\eta) \cdot \hat{M}^{(c)} = (1-\eta) \cdot \hat{M}^{(c)} + \eta \cdot (1-\eta) \cdot \hat{M}^{(c)} = (1-\eta) \cdot \hat{M}^{(c)} + \eta \cdot (1-\eta) \cdot \hat{M}^{(c)} + (1-\eta) \cdot$$

MNIST algoriehm classes real number



P( Y= 9 | X)

LP(T=9/x)

| Cogp(T=9/x) |

| Cogp(T=9/x one hot vector of true lakel

