Improving your Neural Network

Weight Initialization

1. Random Normal Initialization

Weight Initialization

1. Random Normal Initialization

Mean = 0   Standard Deviation = 0.05

Weight Initialization

1. Random Normal Initialization

2. Glorot Normal Initialization / Xavier Normal Initialization

Weight Initialization

1. Random Normal Initialization

2. Glorot Normal Initialization / Xavier Normal Initialization

Understanding the difficulty of training deep feedforward neural network

Weight Initialization

1. Random Normal Initialization

2. Glorot Normal Initialization / Xavier Normal Initialization

Mean = 0   Standard Deviation = sqrt((2 / fan_in + fan_out))

Weight Initialization

1. Random Normal Initialization

2. Glorot Normal Initialization / Xavier Normal Initialization

3. He Normal Initialization

Weight Initialization

1. Random Normal Initialization

2. Glorot Normal Initialization / Xavier Normal Initialization

3. He Normal Initialization

Delving Deep into Rectifiers:
Surpassing Human-Level Performance
on ImageNet Classification

Weight Initialization

1. Random Normal Initialization

2. Glorot Normal Initialization / Xavier Normal Initialization

3. He Normal Initialization

Mean = 0   Standard Deviation = sqrt(2 / fan_in)

Thank You