

# Basic 3주차 발표

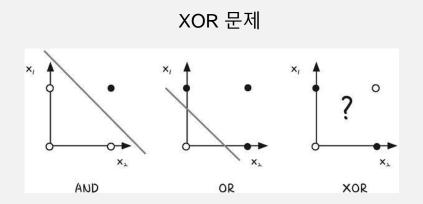
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initializer,
num\_oov\_buckets,
lookup\_key\_dtype=None
name=None,

lookup.KeyValue

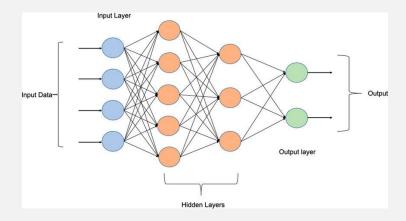
김찬원

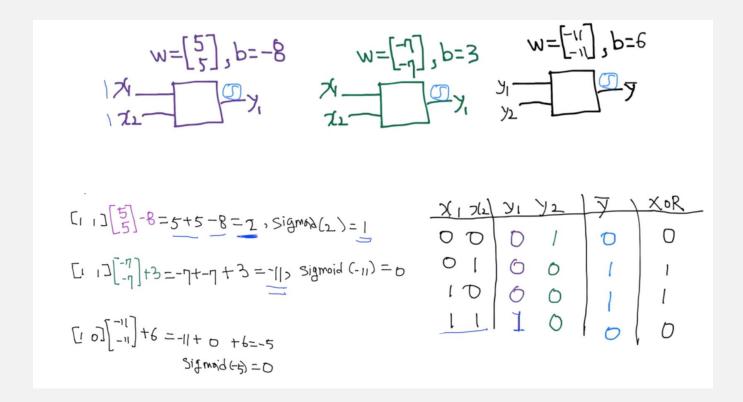
## **Category**

- 1. 딥러닝이란?
- 2. XOR 문제
- 3. ReLU 함수
- 4. Weight Initialization
- 5. Dropout & Batch Normalization
- 6. 추가적인 내용



# Multilayer Perceptron





$$K(x) = sigmoid(XW_1 + B_1)$$
  $\bar{Y} = H(x) = sigmoid(X(x)W_2 + B_2)$ 

$$f = wx + b, g = wx, f = g + b$$

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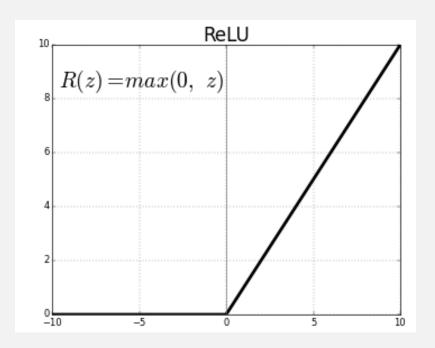
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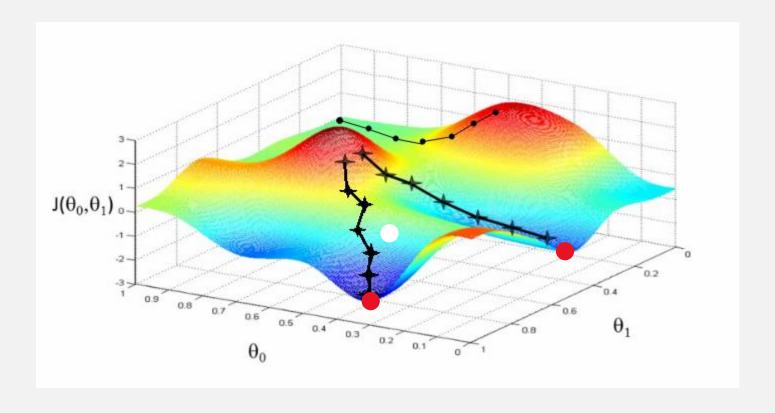
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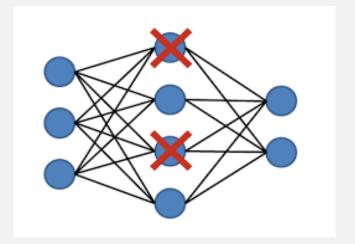
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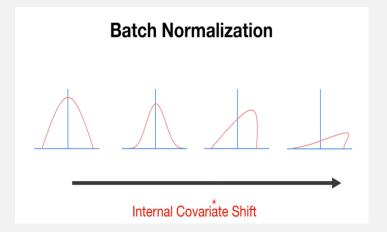




# Dropout



#### **Batch Normalization**



### 추가적인 내용

```
tf.concat(
     ff.concat 함수
                               values, axis, name='concat'
t1 = [[1, 2, 3], [4, 5, 6]]
                                        t1
                                                                  t2
t2 = [[7, 8, 9], [10, 11, 12]]
                                                                                             tf.concat([t1, t2],0)
                                           tf.concat([t1, t2],1)
```