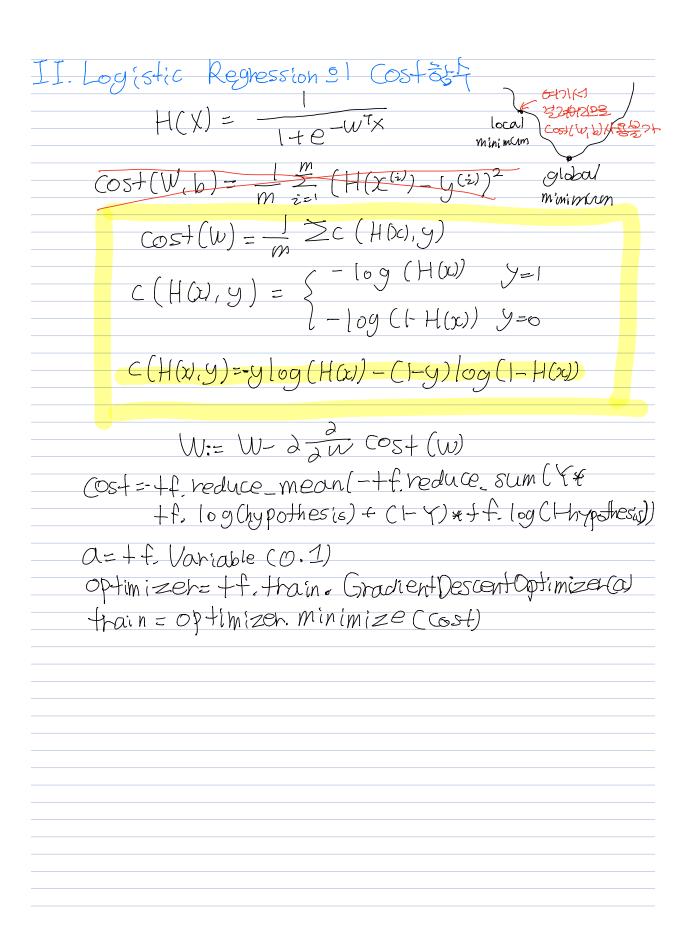
Section 6. Logistic (Regression) Classification I. Logistic Classificational 21/2 367 301 1. Classification · Span detection, facebook feed, Credit Card Fraudulent Transaction defection 등이 이용됨. > 0/1 encoding 3HH 근현 Ex) 1) (pass) to houte 문제정: hypothesis는 1보다 크거나 이번다 작을 수 있는 2. Logistic Hypothesis HIZE WEED 9(z) - on1



```
III. Tensor Flow & Logistic Classification 7 de
   K_data=[[[,2],[2,3],[3,1],[4,3],[5,3],[6,2]]
  9_ data = [[0], [0], [0], [1], [1], [1],
   X=4f. place holder Cff. float32, Shape=[None,2])
   Y=+f. placeholder (+f. float 32, 5hage=[Vone, 1])
   W= ff. Variable (ff. random_normal([2,1]), name=lueight)
    b=+f. Variable(+f. random-normal(ti]), name=16ias/)
    hypothesis= If. Sigmoid (If. matmul (X, W) +b)
   Cost=-4f. reduce_mean(-+f. reduce_sum (Y&
          +f. log(hypothesis) + (1-Y) * +f. log(hypothesis))
  Train = ff. Frain. Gradient Descent Optimizen Cleaning
           rate=0.01). minimize (Cost)
   predicted= +f. Cast (hypothesis >0.5, dtype= H. Healse)
    accuracy = If. reduce_mean (If. equal(predicted, Y),
                dtype= tf. float 32)
   with 4f. Session () as sess:
         Sess, run (ff. global_Variables_ initializera)
        for step in range (10001):
             cost_val, _ = sess. run (Icost Hain],
                                     feed_did={x:xdata
                                                Y=Y_datas
             if step % 200=0:
                  print(step, cost_val)
        h, C, a = Sess. run [Thypothesis, predicted, accuracy],
                           feed_d(ct='2x:x-data, x:y-data)
```

print (E)n typothesis: ", h, E\n Correct (K):", c, inAccuracy: ", a)
inAccuracy: "(a)