Class Test 01 –Set B

CSE 427 – Machine Learning

Department of Computer Science and Engineering

University of Asia Pacific

Total Marks: 20 (Writing + Upload) Time: 40 Minutes

1. Suppose you have the following training set, and hypothesis function is given as—

where

The value of and y are as follows—

|  |  |  |
| --- | --- | --- |
|  |  | **y** |
| 2 | 3 | 2 |
| 2 | 4 | 3 |
| 3 | 3 | 4 |
| 4 | 4 | 5 |

Now determine the value of J( )

Here, a = last digit of your ID.

b = 2nd last digit of your ID.

c = 3rd last digit of your ID. [10]

1. Normalize the following dataset within the range of [-0.5, 0.5]. [10]

|  |  |  |
| --- | --- | --- |
| X1 | X2 | Y |
| 35 | 345 | A |
| 43 | 543 | B |
| 23 | 456 | C |

Here, A = last digit of your ID.

B = 2nd last digit of your ID.

C = 3rd last digit of your ID.