CS 5001 Deep Learning - Fall 2017
Homework 2

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With initial weights $w_0 = -206$, $w_1 = -883$, $w_2 = 230$, $w_3 = 882$, and $w_4 = -173$ and employing incremental gradient descent logistic regression yields the results shown in Table 1.

Table 1: Logistic Regression Results

Learning rate	.001
Number of Iterations	5000
Sum of Squares Error	1
Initial Weights	
w_0	-206
w_1	-883
w_2	-230
w_3	882
w_4	-173
Final Weights	
w_0	-219.759103
w_1	-887.016586
w_2	221.240897
w_3	872.983414
w_4	-173.000000