## CS 5001 Deep Learning - Fall 2017 Homework 1

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With initial weights  $w_0 = 2200$  and  $w_1 = 200$  and employing linear regression with one variable yields the results shown in Table 1.

As can be seen in Figure 1, the linear regression line follows the general trend of the points.

Table 1: Linear Regression Results

Table 1. Emical Regression Research	
.001	
1500	
133,987,898	
Initial Weights	
2200	
200	
Final Weights	
2211.771589	
234.991411	

Figure 1: Linear Regression with Original Points

