EE 271 - Least Squares

Oct. 15, 2019

Suppose we have the following three data points, and we want to find the straight line $y = c_1 x + c_2$ that best fits the data in some sense.

x	y
0	2
5	6
10	11

1. Find the coefficients c_1 and c_2 using least squares criterion.

2. Find the coefficients by using the left-division method to solve the three equations (one for each data point) for the two unknowns c_1 and c_2. Compare with the answer in 1.