

Machine Learning - IT 340M

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Assignment 1 - Least Square Minimization

Generate 10 (x,y) points on a line using the equation $y = mx + c$, use $m = 2$ and $c = 1$. Restrict y to be integers from 1 to 10. Add random normal errors with $\sigma=0.3$ for all the points. Write the code to do a straight line fit from the points with error and estimate m,c using analytic minimization. Use Chapter 2 of Data Analysis for Physical Science Students by Louis Lyons.

Assignment 2