

Meeting

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Messaging Application and the messages are encrypted using our own encryption algorithm.

Normalization Formula

$$\begin{aligned}\text{Normalized Value} &= \frac{\text{Value} - \text{Min}}{\text{Max} - \text{Min}} \\ \text{Value} &= \text{Normalized Value} \times (\text{Max} - \text{Min}) + \text{min}\end{aligned}\tag{1}$$

Algorithm Steps

1. Get input from user
2. Input handling and validation
3. Input is x_1, x_2, y, s, r
 1. x_1, x_2 are the positive and negative bounds of x
 2. y is one bound of y and the other bound will be the same value but negative.
 3. s is the number of sections
 4. r is the random state
4. start preparing your points by dividing the x axis into s sections
5. make an array of 100 random numbers from 0 to 99.
6. depending on the random state, the array will be shuffled.
7. the array will be used to shuffle the points.
8. After Having the points apply lagrange/Newton interpolation to get the polynomial.

