PS11-1

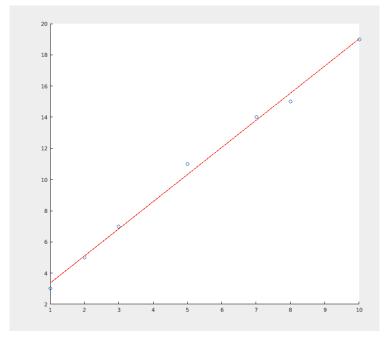
## 1 Linear Program

## 1.1 Objective Function

The function to be minimized for this problem is  $MAX_{1 \leq i \leq n}(|y_i - (mx_i + b)|)$ 

## 2 SOLUTION

I implemented my solution in MATLAB.



Optimal Solution: m = 1.74, b = 1.62

 $MAXIMUM\ ERROR = 1.58$ 

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