

Jordan Lian

10 Forsyth Street, #1190
Boston, MA 02115
(610) 425-8865
lian.jo@husky.neu.edu

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Professor Richard Whalen
Northeastern University, MIE Department
Boston, MA 02115

Dear Professor Whalen,

Hope you are doing well. In the first problem with mesh plots, I learned how to use meshgrid to mesh the x and y domains in order to mesh x, y, and z, which is affected by R, which is affected by x and y. The resulting plot was a 3-D graph that looked like a sombrero.

In the second problem with the weather analysis, I learned how to implement the for loops to test each month for the precipitation in Boston and Seattle. The for loops set the foundation for the logic tests (if statements) that helped me answer certain questions about when there was more precipitation in each city in a certain month.

In the third problem with the shipping package prices, I implemented a while loop that had a bunch of if statements integrated within to get the appropriate packaging fee. I got the user to enter the weight through a 1 by 2 matrix (lbs oz). Then I had to convert the weight into ounces to calculate the cost.

Printing out the results was not an issue due to the time spent in class working on formatting with printing. You will find my assignment results attached with this letter. I look forward to seeing your evaluation of my assignment.

Best regards,

Jordan Lian