Julia Taylor                         *(Full Name)*
GitHub Username: taylo773        *(GitHub Username)*
Purdue Username: taylo773        *(Purdue Username)*
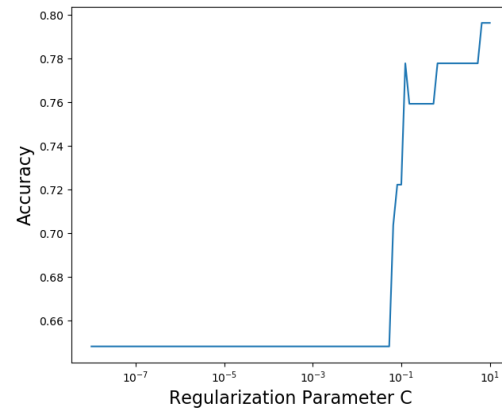
## Finding Best Regularization Parameter:

Regularization Parameters: $10^{-8}$ to $10^{1}$ with 100 numbers (change this to the values in step 5 when submitting)

*(insert plots obtained by completing the main function- These are the actual plots for the given regularization parameters.)*
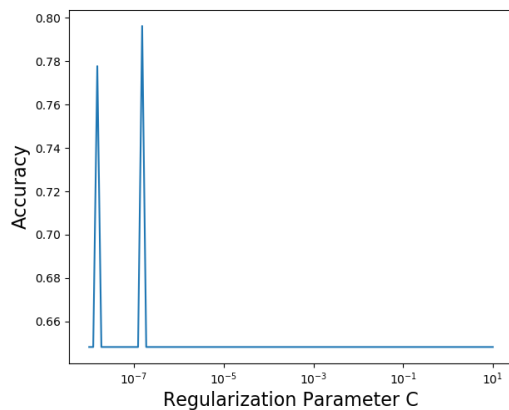
| Logistic Regression | SVM |
|---|---|



*(insert sentence outputs)*

Logistic Regression
Best C tested is 1.519911082952933e-07, which yields an Accuracy Score of 0.7962962962962963

SVM
Best C tested is 6.5793322465756825, which yields an Accuracy Score of 0.7962962962962963

## Conclusion to Proposed Question:

Question: Can you use this data to predict whether it is raining based on the number of bicyclists on the bridges?

Conclusion:
Yes, *(insert explanation)*

OR

No, *(insert explanation)*