

# Final Report

Conor Dalton

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## **1 Predicting Bike Station Occupancy**

### **1.1 Feature Engineering**

#### **1.1.1 Selection of Station**

### **1.2 Machine Learning Methodology**

### **1.3 Evaluation**

## **2 Shorter Questions**

### **2.1 ROC Curve**

An ROC curve is...

### **2.2 Situations Where Linear Regression will be Inaccurate**

Linear regression is ...

### **2.3 SVM Classifier vs. Neural Net Classifier**

An SVM Classifier... an Neural Net Classifier

### **2.4 Operation of a Convolutional Layer in a ConvNet**

ConvNets are... Convolutional layers are...

### **2.5 K-fold Cross-Validation**

Resampling is done to...

## A Appendix