1. Weekly
   1. Very strong positive correlation between year and volume.
   2. In a logistic regression, the Lag2 and intercept variables appear to be the *most* statistically significant, but their p-values themselves are not very low either. The relevance of any of the variables is left in question.
   3. Logistic regression test error rate is equal to 0.439. The errors being made are mostly weeks that actually have a decreasing stock being predicted as increasing.
   4. The overall fraction of correct predictions was equivalent to 0.625 (5/8 of the predictions).
   5. The overall fraction of correct predictions for LDA was 0.625.
   6. The overall fraction of correct predictions for QDA was 0.5865.
   7. The overall fraction of correct predictions for KNN, K=1 was 0.5.
   8. Based on the test prediction accuracies, LDA and logistic regression performed equally well on this data set.
2. Auto
   1. Mpg01 created using rep()
   2. Some notable relationships:
      1. The higher displacement, the less likely mpg01=1 is
      2. The higher horsepower is, the less likely mpg01=1 is
      3. The higher weight is, the less likely mpg01=1 is
      4. The higher acceleration is, the more likely mpg01=1 is
   3. Split
   4. Test error=6.9% for LDA
   5. Test error=8.6% for QDA
   6. Test error=13.8% for Logistic Regression
   7. Test error= 15.5% in the best case, with K=54 KNN.