Import the data from problem set one into Stata to answer the following questions. Your typed answers are due at the beginning of the next class. Answers must be presented in a professional manner for full credit.

1. Modeling Case Volume
   i. Show graphically using Stata total cases sold by period for the duration of the data set.
   ii. Construct a model for total cases sold accounting for the long term trend in sales and seasonal variation. Estimate the model in Stata and show your output.
   iii. Show sales versus the predicted sales for the duration of the data set. Describe your results. How well does the model fit the data?

2. Evaluate sales for the last full year of the data, 2010 using the model developed above, construct a benchmark for total cases sold accounting for the long term trend in sales and seasonal variation.
   i. Show sales versus the benchmark graphically for this period.
   ii. Show the difference between sales and the benchmark graphically for this period.
   iii. Show the percentage difference between sales and the benchmark graphically for this period.