The midterm has now been set and it will look a lot like the sample midterm, although there are no repeated questions. It should be obvious that the test will involve a familiarity with both the readings and the lectures. The list below is a context-free list of the technical terms that have been introduced so far. You may find the suggested questions following the list to be helpful for your review.

Experiments and Observational Studies
Random Sample
Probability
Simulation
Probability Distribution and Data Distribution
Averages and Proportions
Averages and SDs
Histogram and Bar Chart
p-values and Hypothesis Tests
Random Walk
Time Series and Prediction
Interaction
Covariate
Smoothing and Moving Averages
Normal Distribution
Theory of Sample Averages
Regression and Prediction
Residual Plot

For each topic, ask yourself:

What is it?
In what applications or scenarios has it arisen in the course?
What use is it in the process of extracting information from data?

KLW(2010/01/29)