After today's class you will be better able to:

1) Define the following terms

| A) Boxplot | E) Seasonality | I) Point estimate | M) $\bar{x}$ |
| B) Multiple boxplot | F) Location | J) Average | N) $\mu$ |
| C) Time series plot | G) Spread | K) Mean | O) Robust or Resistent |
| D) Trend | H) Outlier | L) Median | P) Dotplot |

2) Discuss the variable types that would be appropriately displayed with a dotplot
3) Discuss the variable types that would be appropriately displayed with a boxplot
4) Discuss a disadvantage in using multiple histograms to compare more than one distribution
5) Discuss an advantage for using multiple boxplots versus multiple histograms when comparing more than one distribution
6) State the mean and the median are both measures of the center of a data set
7) Given a set of data, compute the mean

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A) **On-Line assignment #1**: Your first on-line assignment is up and ready take. Go to [www.Ilrn.com](http://www.Ilrn.com) and log in. Click the “Take” button in the row for HW1. To complete this assignment, you will need the class policies document that I handed out in the first class. It’s due by 8:00 AM Tuesday 01/30

B) **Lab #1** will be handed out in your lab sections tomorrow. It will be due by the end of class so please plan on attending! Just like last week, you’ll need some colored pencils, graph paper, a calculator, and a stapler. Some of you might find a straight edge useful too.

C) **Your first quiz** is next Friday February 2nd. Topics will include graphics, terminology, distribution shapes, and computing a mean or median. I’ve put up a sample quiz and solutions on the class website to aid your studies. Go to [http://www.stat.colostate.edu/~gumina](http://www.stat.colostate.edu/~gumina) and follow the “lecture materials” link