Chapter 5.b - Reviewing Box Plots

1) Refresher on Building Box Plots

2) Side by Side Box Plot

3) McTofu Activity

4) Working on 95b assignment

5) Looking over IT #5

Creating Box Plots
-sometimes shown vertically for comparative statistics

1) Create a five number summary (Min, Q1, Med, Q3, Max)

2) Create the "box", lines at Q1, Q3 and inside at Med

3) Find fences and draw dotted lines to help
   Upper Fence = Q3 + 1.5(IQR)   Lower Fence = Q1 - 1.5(IQR)

4) Draw "whisker" at lowest and highest point within fence

5) Mark outliers that are data outside of the fences
   [and far outliers]
Example
Use the following data and create side by side box plot

| 10 | 10 | 12 | 10 | 15 | 15 | 15 |
| 17 | 17 | 20 | 20 | 20 | 20 | 22 |

p. 95 #5, 7, 8, 9, 12, 16, 17, 20a-d
Assignment (Due Monday 9/22)

1) p. 95a #5, 7, 8, 9, 12, 16, 17 20a-d

2) p. 95b #13, 14, 19, 21, 23, 29

3) Look over IT 5 and start thinking about how you would approach it

-Quiz 5 on Wednesday