# Info 1301

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# Today's Agenda

- Go over homework
- Practice use of Minitab Express

# Problem 1

- We will calculate the mean, median, and mode of the salaries of Scholars in Residence on the CU Boulder campus last academic year.

- Go to https://www.cu.edu/budgetpolicy/cu-data

- Click on Faculty and Staff

- Click on online database under Faculty and Staff salaries

- At the bottom of the page enter 599 in the box and hit the return key, which will take you to page 599 of the database

- Write the data about Scholars in Residence from p. 599 and p. 600 into Minitab Express (get to p. 600 from p. 599 by using the single arrow at the bottom of the page of the spreadsheet)

- Use Minitab Express to calculate the mean, median, and mode, and make a dot plot and histogram of this data.

# Problem 2

How do the Rockies compare? Assign each person a team.

- Go to the mlb.com site, choose statistics, choose which team, click on AB to reorder the list by the people with the most at bats, then go to the AVG column and record the top 15 batting averages in your spreadsheet in Minitab Express.
- In Minitab Express, click summary along the top, then click descriptive statistics, then click statistics.
- Make sure that the only ones that have check marks beside them are: mean, standard deviation, variance, minimum, median, maximum, mode, N
- Use Minitab Express to calculate these descriptive statistics.
- Compare with your neighbors. What are the Rockies prospects?
- **Look at Problems 3 and 4 before getting rid of your results in Minitab Express!**

# Problem 3

- Using the baseball statistics that you captured in Minitab Express, draw a BoxPlot [graphs/boxplot/simple]

- Compare it to the boxplots of other students. See if you can explain their differences.

# Problem 4

- For the same 15 players that you chose for their batting average, enter the data for their slugging percentage.

- Us Minitab Express to create a scatterplot and calculate a correlation.

- What does this tell you about the correlation between batting average and slugging percentage?