

Homework 1-2

Feb. 14, 2012, 2:25 pm

Reminders

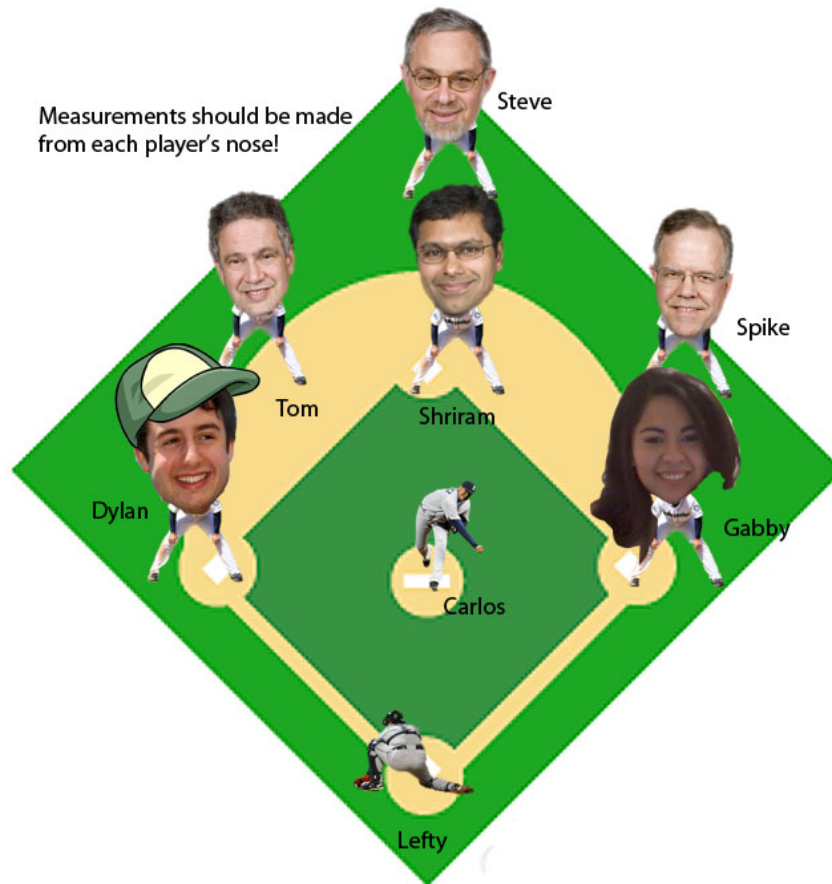
For the following problems you may discuss the concepts that will help solve these problems with classmates and course staff. You may *not* simply copy down the answers of your classmates as that is a violation of the collaboration policy. The one exception to this rule are those problems marked as Independent. You may discuss independent problems *with course staff only*.

Other notes

For this following task, you will not be turning in Excel files. Please label your answers clearly so that we know which answers go with which question.

Task 1:

- a. Establish a Google account. If you already use gmail, you've got one. Just to make sure, though, visit your gmail account and see if you can use Google Sites to create a more or less empty web page.
- b. In a text file called `YourNameHW1-2.txt`, give us the name of the gmail account you plan on using.

**Task 2:**

- Look at the above diagram of a baseball diamond. The catcher, Lefty, is standing slightly to the third-base side of home plate. Rank all the players by order of increasing distance from Lefty. The first two in your list should be Lefty himself (he's distance zero from Lefty) and then Carlos, the pitcher, who is about 90 feet away from him. Write your answers in `YourNameHW1-2.txt`.
- Who is the farthest away from Lefty? Let's say it's player X. Write down a list of all the players, ordered by increasing distance from X, in `YourNameHW1-2.txt`. Compare this order to the order from part a.

Task 3:

- a. Download and open `Hw1-2Starter.xlsx`. Look at the formulas in cells C1 through C5. In cell D1, write an formula that's TRUE if A1 is less than 5 *or* if both A2 and A3 are bigger than 2, but is FALSE otherwise.
- b. In cell D2, write a formula that's TRUE if both A1 equals A2 *and* A3 does *not* equal A4. You can use `<>` to mean “not equals” (so that `5 <> 3` is TRUE), or you can use the NOT function.
- c. In cell D3 write an expression whose value is 7 if either A2 or A3 is positive, and is A5 otherwise.
- d. Save your spreadsheet as `YourNameHW1-2.xlsx`.

Task 4:

- a. We've managed to rank the senators by Ted-ness, and generalized to Arlen-ness, etc. The least Ted-like senator is Sununu. Rank the senators by Sununu-ness, using the spreadsheet from class.
- b. How do their ranks compare to their Ted-ness ranks? Are they exactly the opposite? Why or why not? How is this related to the baseball diamond problem? Write down your answers to these questions in `YourNameHW1-2.txt`.

Task 5:

- a. In `YourNameHW1-2.txt`, please rate how you feel the class is going so far:
 - (a) Too Slow
 - (b) Just about right
 - (c) Too fast
 - (d) Way too fast
- b. In that same file, tell us how long it took you to finish this homework.

Handin

E-mail `YourNameHW1-2.txt` and `YourNameHW1-2.xlsx` to `cs0931handin@cs.brown.edu`.