#### Announcements

- · Homework #3 will be posted today must be done individually as it will get you ready for the c pornian of the courte
- · Exam #2 is two weeks from today! -> Friday, 10/30
- · Quiz \*4 is this afternoon 440 pm (Boston Time); tomorrow @ 7 am for other time zones -> 15 min, 5 min to uproad

- am by 5 pm

# Review Last week's aniz #3

### Additional Notes for This Week

- · the + operator cannot be used to concatenate 2 character vector,
- · iscullater () is determining whether or not a cell array contains only character vectors, nor strings (old function, ignore name)
- · When creating structures using struct(), as of vertion R20186, strings can be used for field names (before they could only be char vectors)
- · make sure you know how structs are displayed (field name: value on separate lines)

### Review of Material

- · all arrays
- · structures
- , when to use all away vs. otherwas
- · victor of structures
- ·nusted structures

# Cell arrays + Structures

- · examples of calling in Devin's example
- · se around in file

Text Manipulation

sports = ["baseball" "football" "track and field"]

· text manipulation

» sports(1:2)

1 x 2 thing array "barchall" "formall"

>> sports {2}=[] "baseball" < missing > "track and field"

["I love bascball" "I love football" etc...]

>> +parts {1:2}

>> sports {2}(1:3) also work:

>> " | Love + sports

-tports (2) {1}(1:3)

» sports(2) =[]

» 4ports (3) "track and field"

1 x 2 string array "basebale" "track and field"

```
Text Manipulation Functions
-SK+OK()
     ex. strtok(strvar, delimiter)
                                        note that default delimiter is
                                          amoup a space
     ex. example = 'Well hello'
        [f l] = strtok(example)
           1:
_hello
                                       note that I includes the delimiter
                                         (which in this case is a space)
streat()
    ex. Streat (var1, var2)
                               ex. orcat('Well','_hello')
    ex. streat ('well', 'hello')
         ans · Wellhello
                                       ans:
'Well_hello'
strepl)
   ex. streep (string, oldering, newstring)
                                   - stree ('hello', 'lo', 'lp_me!')
    ex. strep('hello', Lo', 'p!')
        ans: help!
                                         ans: 'help me!'
sprintf()
                                         *Like fprintf() lout can save to variable
   ex. var = -tprintf()
                                          *useful for titling (plots, labels, etc)
                                            and user inputs
```

Functions need to know that work on strings but <u>not</u> char rectors

+ strings() strjoin() strapeit() goin()