31119
Wednesday, September 18, 2019

Course #7

1. Comparing strings!!!

>> strcmp(string1,string2)

2. Terminology

vector = a 2-D matrix in which one of the two dimensions has length 1.
array = same as a vector

If we have a matrix of temperature for all days, latitudes and longitudes, then we would say that
we have a 3-D matrix in which the dimensions are days, latitudes and longitudes and the size of
the matrix would be: [number of days, number of latitude indices, number of longitude indices].

3. "slicing" a vector * terminology used in the Newman coding book.

If a vector v1 has values: [3 5 7 9 11 13], i.e.,
v1 = [3 5 7 9 11 13];
Then we could access a subset of the vector, or "slice it"
vsub = v1(3:5)
Would yield:

vsub : [7 9 11]

4. More for loops. And also, not using for loops at all.

Logical indices

lvec=[-4 5 8 -4]
l2=lvec;
l2(lvec==-4)= 7