

## Manipulating Data in Octave/Matlab

```
>>
>> A
A =
     1     2
     3     4
     5     6

>> A(:,2)
ans =
     2
     4
     6

>> A(:,2) = [10; 11; 12]
A =
     1    10
     3    11
     5    12
```

```
>> A = [A, [100; 101; 102]]; % append another column vector to right
>> A
A =
     1    10   100
     3    11   101
     5    12   102
```

```
>> size(A)
ans =
     3     3
```

```
>> A(:) % put all elements of A into a single vector
ans =
     1
     3
     5
    10
    11
    12
   100
   101
   102
```

```
>> A
A =
     1     2
     3     4
     5     6

>> B
B =
    11    12
    13    14
    15    16

>> C = [A B]
C =
     1     2    11    12
     3     4    13    14
     5     6    15    16
```

```
>> C = [A; B]
C =
     1     2
     3     4
     5     6
    11    12
    13    14
    15    16
```