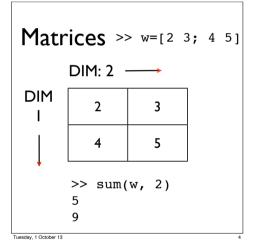
MATLAB

Vectors and matrices

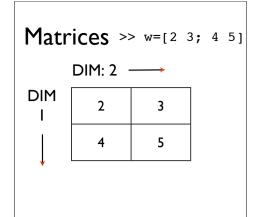
Tuesday, 1 October 13



Example: SST

data: one row per site, columns are monthly temperature

% temperature average at each time, across the $\mathbf{5}$ sites



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Example: SST

data, a $[5 \times 12]$ matrix with one row per site, columns are monthly temperature

% 1st measurement each site

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Example: SST

data: one row per site, columns are monthly temperature

% time-mean temperature at each site

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Matrices >> w=[2 3; 4 5] DIM: 2 -- DIM 2 3 4 5 >> sum(w) 6 8

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Example: SST

data, a $[5 \times 12]$ matrix with one row per site, columns are monthly temperature

```
>> data(1,:)

13  14  14  16  17  18...

18  17  20  16  15  13

% all measurements for site |
```

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Review

- •Matrices are like tables filled with numbers.
- •The number of rows is the length of the first dimension. The number of columns is the length of the second dimension.

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