What did we talk about last class?
Do you have any questions about the reading?
Let's quickly write our Mandelbrot function that uses meshgrid and does things the “Matlab way”.
As you have already experienced, Matlab has a set of statistical analysis methods.

- mean
- max
- min
- std
- cov – covariance
- corrcov – correlation coefficients
- diff
- sum

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Matlab also provides filtering functions that combine elements in arrays in various ways that you can specify.
The filter function does linear combinations of elements in an array.
Arrays in Matlab can have more than 2 dimensions to them.
We aren't going to deal with these much in this course and your book doesn't really deal with them outside of this one chapter either.
By default, everything in Matlab is a double. However, you can force things to be other types.

Integer types can be signed or unsigned with 8, 16, 32, or 64 bits. When you construct an array with one of the construction methods, you can pass in a string giving the integer type. The class function lets you see the type of something that you have.

You can also do a casting like operation to make something a particular type.

If you want, there are also single precision floating point numbers.
■ See you on Wednesday.