











A new programming paradigm

-  **Reading:** Before you begin: TensorFlow 2.0 and this course
10 min
-  **Video:** Introduction: A conversation with Andrew Ng
3 min
-  **Video:** A primer in machine learning
3 min
-  **Video:** The 'Hello World' of neural networks
5 min
-  **Reading:** From rules to data
10 min
-  **Video:** Working through 'Hello World' in TensorFlow and Python
3 min
-  **Reading:** Try it for yourself
10 min
-  **Quiz:** Week 1 Quiz
8 questions

Weekly Exercise - Your First Neural Network

Optional: Ungraded Google Colaboratory environment



Before you begin: TensorFlow 2.0 and this course

We've gotten a lot of questions about whether this course teaches TensorFlow 2.0 or 1.x.

The answer is: Both!

We've designed the curriculum for the early modules in this course to have code that's generic enough that it works with both versions, so you are welcome to try it with the 2.0 alpha. If you are using the colabs, you'll use the latest version of TensorFlow that Google Colaboratory supports, which, at time of writing is 1.13. You can replace this with 2.0 by adding a codeblock containing:

```
1 !pip install tensorflow==2.0.0-alpha0
```

...and you should be able to use TF2.0 alpha if you like!

Later modules may use specific versions of libraries, some of which may require TF2.0, and we will note them when you get there!

Mark as completed

