



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

We've gotten a lot of questions about whether this course teaches TensorFlow 1 or TensorFlow 2.

The answer is: Both!

We've designed the curriculum for the early modules in this course to handle both TensorFlow 1 and TensorFlow 2 versions, so you are welcome to try it with the 2.0 alpha. If you are using Google Colaboratory, which, at time of writing is 1.13. You can install TensorFlow 2.0 alpha by running the following code 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 not be available in the current version of TensorFlow 2.0 alpha there!