Lecture 17 - Video Lecture - TensorFlow Intro

On YouTube:

1010-S22-Lect-pt1-why-ml.mp4 https://youtu.be/nfard0_o5Mk

1010-S22-pt2-colab-quick-intro.mp4 https://youtu.be/sOk6nu_8-24

1010-S22-pt3-colab-code-walkthrough.mp4 https://youtu.be/ijlnf1KQRjw

1010-S22-pt4-vscode-code-walkthrough.mp4 https://youtu.be/EG7zHJdMM0w

What is important about machine learning. It is that the computer can infer from a large set of data results on new data that it has never seen before.

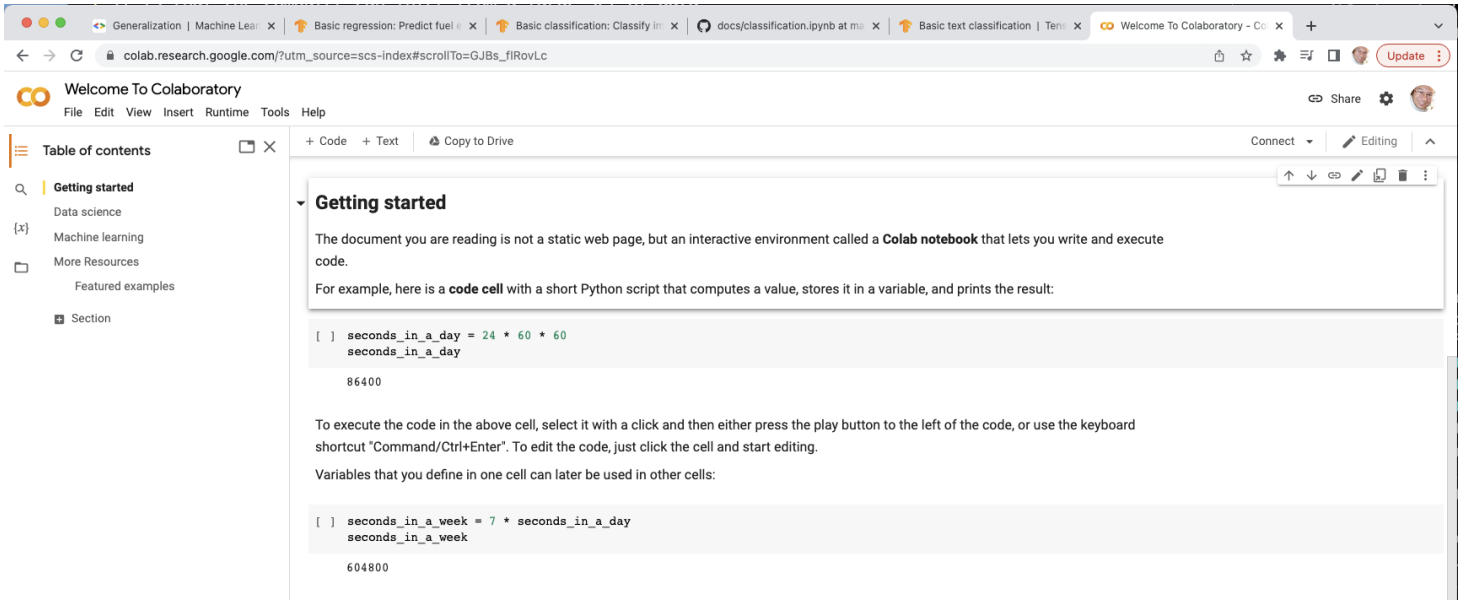
TensorFlow HelloWorld

Start with a Hello World that should print out the version of tensor flow.

```
1: # TensorFlow and tf.keras
2: import tensorflow as tf
3:
4: # Helper libraries
5: import numpy as np
6: import matplotlib.pyplot as plt
7:
8: print("TensorFlow Hello World")
9: print(tf.__version__)
```

TensorFlow on codlab - google online system.

If you are using google colab, then https://colab.research.google.com/?utm_source=scs-index



Change the first block.

Click the little arrow to run it.

Register to use colab.

Machine Learning - what is it

Machine learning is a system where the machine can infer the results when you have data that is new based on old data.