**Fundamentals of Deep Learning**

-Set-up class folder

-Put files in class folder

-Set-up TensorFlow in Anaconda

Introduction

**SLIDES**: Machine Learning Overview/Intro to NN

-Intro to Python

-Intro to Numpy

BREAK

**SLIDES**: TensorFlow Intro

Min-Max scaling

Sequential, Flatten, and Dense layers

[TensorFlow fully-connected NN coding (w/ Exercise)]

LUNCH

-Get data

**SLIDES**: Deep Learning/CNN

[TensorFlow CNN grayscale coding (w/ Exercise)]

[Deo using Colab for GPU acceleration]

[TensorFlow CNN color on disk coding (w/ Exercise)]

BREAK

[TensorFlow CNN Lab]

**SLIDES**: What DL can do

Optional: My Projects (other interesting projects)

EVALUATION

GCP AutoML examples

**SEE**: Artificial Intelligence Notes; Introduction to AI SLIDES; AI with TensorFlow Notes

Fruit Data

<https://www.kaggle.com/mbkinaci/fruit-images-for-object-detection>

Rock, Paper, Scissors Data

<http://www.laurencemoroney.com/rock-paper-scissors-dataset/>