**References**

This is a compilation of resources appearing in the lecture videos, ungraded labs, and assignments.

**Week 1:**

* [Moore's Law](https://en.wikipedia.org/wiki/Moore%27s_law) (Wikipedia)
* [Spurious Correlations: Arcades vs Doctorates](https://tylervigen.com/view_correlation?id=97) (Tyler Vigen)
* [Birth and Death Rate in Japan](https://upload.wikimedia.org/wikipedia/commons/thumb/9/94/Bdrates_of_Japan_since_1950.svg/450px-Bdrates_of_Japan_since_1950.svg.png) (Wikipedia)
* [Global Temperature and Carbon Dioxide](https://www.globalchange.gov/browse/multimedia/global-temperature-and-carbon-dioxide) (GlobalChange.gov)
* [Slope-Intercept Form](https://en.wikipedia.org/wiki/Linear_equation#Slope%E2%80%93intercept_form_or_Gradient-intercept_form) (Wikipedia)
* [Tensorflow API](https://www.tensorflow.org/api_docs/python/tf) (TF Documentation)
* [Numpy](https://numpy.org/) (Official Website)
* [Pyplot](https://matplotlib.org/3.5.1/api/_as_gen/matplotlib.pyplot.html) (Official Website)
* [Keras Metrics](https://www.tensorflow.org/api_docs/python/tf/keras/metrics/) (Official Website)

**Week 2:**

* [tf.data API](https://www.tensorflow.org/guide/data) (TF Documentation)
* [tf.data.Dataset](https://www.tensorflow.org/api_docs/python/tf/data/Dataset) (TF Documentation)
* [Flatten a dataset of windows](https://www.tensorflow.org/api_docs/python/tf/data/Dataset#flatten_a_dataset_of_windows_2) (TF Documentation)
* [LearningRateScheduler](https://www.tensorflow.org/api_docs/python/tf/keras/callbacks/LearningRateScheduler) (TF Documentation)

**Week 3:**

* [Huber Loss](https://en.wikipedia.org/wiki/Huber_loss) (Wikipedia)
* [SimpleRNN](https://www.tensorflow.org/api_docs/python/tf/keras/layers/SimpleRNN) (TF Documentation)
* [Lambda Layer](https://www.tensorflow.org/api_docs/python/tf/keras/layers/Lambda) (TF Documentation)
* [Activation Functions](https://en.wikipedia.org/wiki/Activation_function#Table_of_activation_functions) (Wikipedia)
* [LSTM](https://www.coursera.org/lecture/nlp-sequence-models/long-short-term-memory-lstm-KXoay) (DeepLearning.AI)
* [LSTM Layer](https://www.tensorflow.org/api_docs/python/tf/keras/layers/LSTM) (TF Documentation)

**Week 4:**

* [Convolutional Neural Networks](https://www.coursera.org/learn/convolutional-neural-networks/home/welcome) (DeepLearning.AI)
* [Mini-batch Gradient Descent](https://www.youtube.com/watch?v=4qJaSmvhxi8&ab_channel=DeepLearningAI) (DeepLearning.AI)
* [Sunspots Dataset](https://www.kaggle.com/datasets/robervalt/sunspots) (Robert Valt)
* [Solar Conditions](https://sws.bom.gov.au/Solar/1/6) (Australian Bureau of Meteorology)
* [Daily Minimum Temperatures in Melbourne](https://github.com/jbrownlee/Datasets/blob/master/daily-min-temperatures.csv) (hosted by Jason Brownlee, source: Australian Bureau of Meteorology)

**What next?**

* Ready to deploy your models to the world? Learn how to go live with your models with the [**TensorFlow: Data and Deployment Specialization**](https://bit.ly/3ojuT1o)**.**
* Looking to customize and build powerful real-world models for complex scenarios? Check out the [**TensorFlow: Advanced Techniques Specialization**](https://bit.ly/39iAsZQ)**.**