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Colab Basics

TF2.0 Demo

https://colab.research.google.com/drive/1jUk1HbNQnuz6JNY_X0cQoQXQic_rjqNC

TF2.0 Installing Tensorflow

<https://colab.research.google.com/drive/1uNKjrL5nEyvRN0MYrGYFLzHSJENaJXI1>

TF2.0 Loading Data

https://colab.research.google.com/drive/1mahtZt0sy4rt-HqGdCgEfooC_DwDSTYf

Machine Learning Basics

TF2.0 Linear Classification

https://colab.research.google.com/drive/16kgx8sv9v3dunBeMc_Db4YzAUFkziA1_

TF2.0 Linear Regression

https://colab.research.google.com/drive/1tNJWZ362FkX6skgYf3_Lo07k_-F6uqwr

ANN

TF2.0 ANN MNIST

<https://colab.research.google.com/drive/161SaEMssCa8vQUZQjlslynjVqBsKzG7P>

TF2.0 ANN Regression

https://colab.research.google.com/drive/1XDvj0pjF_Sc1SVSbAw6zv1RcnLlqOo2u

CNN

TF2.0 Fashion MNIST

<https://colab.research.google.com/drive/1XeVQQdyGNptGWBLclF3yVijNir5-upkF>

TF2.0 CIFAR

<https://colab.research.google.com/drive/1hR5IIAM9mDNgt08PeM1MqdYatmiLJM3q>

TF2.0 CIFAR Improved

https://colab.research.google.com/drive/1pdzZ2MB2g6CT_-bT0D0bO2IKyghOhIM_

RNN

TF2.0 Autoregressive Model

<https://colab.research.google.com/drive/1GQ6znYfssWqf7fSL8N1IAwBEpieUL-FZ>

TF2.0 SimpleRNN Sine

<https://colab.research.google.com/drive/1TZYyB3KrMRT5jfl2u89z61Q3gPUtLY-k>

TF2.0 RNN Shapes

<https://colab.research.google.com/drive/1ACC3OUH8QTe3S0kg7ygFWa8saMDQjwzZ>

TF2.0 LSTM Nonlinear

https://colab.research.google.com/drive/1KYe6D_5SKvNCH9vI066wzZbKVLynJPnT

TF2.0 Long Distance

<https://colab.research.google.com/drive/11IA6vCQ3jrhCLKZ6oUgwagEOUQfFZnui>

TF2.0 RNN MNIST

<https://colab.research.google.com/drive/1IASuY5uitKFKfRjHeLHckBH66AA-M1Dx>

TF2.0 Stock Returns

https://colab.research.google.com/drive/1TWSEpkb0hty_uYH5gUBclDmdcm2B8es

Natural Language Processing

TF2.0 Text Preprocessing

<https://colab.research.google.com/drive/1nJVIAgwCK3Of500OYb2kr-CZ6tq0mIIK>

TF2.0 Spam Detection RNN

https://colab.research.google.com/drive/1giEoGZzUO_59rDxdxTwpqb2d3gZOJNeH

TF2.0 Spam Detection CNN

<https://colab.research.google.com/drive/10sj51zHi9K0RocOT48nCOpKNcZxXflj9>

Recommender Systems

TF2.0 Recommender System

<https://colab.research.google.com/drive/1O0n02Rg4aVJThiqPD7ra2d-8nxrkruNd>

Transfer Learning

TF2.0 Transfer Learning with Data Augmentation

<https://colab.research.google.com/drive/1GXuuemZ87tHJ5njeAQvt3zVASli0hjLj>

TF2.0 Transfer Learning

<https://colab.research.google.com/drive/1hHH95k0ixzRfkET30FsZ19MzVXEtrwiT>

GANs

TF2.0 GAN

<https://colab.research.google.com/drive/1NGi0HyEuR8cMWyzmGzBiv06PDqmxZddY>

Advanced Tensorflow Usage

TF2.0 Tensorflow Serving

https://colab.research.google.com/drive/1GTTc6mReYhGfYxSRCbtK4Y-zko_YzEXa

TF2.0 Mirrored Strategy

https://colab.research.google.com/drive/1e7_N_vVQGyfa3Wz9ND0smWnnsHsQUs_k

TF2.0 TFLite

<https://drive.google.com/open?id=1U5xMbuqzawf7DVjK4e9WK4Q3WydWJPfn>

Low-Level Tensorflow

TF2.0 Basic Computation

https://colab.research.google.com/drive/1DK-UHKAfjx_9aT8rbz35NipwHUKmKTIG

TF2.0 Variables and Gradient

Tape<https://colab.research.google.com/drive/1PRTwIAr-kcVc9L74n34n3ZQxvGOB53zf>

TF2.0 Build Your Own Model

<https://colab.research.google.com/drive/13U3fRyHKevJyl3jpTaYdZsWcAoc6J5IL>