

TensorFlow

TensorFlow is an end-to-end open source platform for machine learning. It has a comprehensive, flexible ecosystem of tools, libraries and community resources that lets researchers push the state-of-the-art in ML and developers easily build and deploy ML powered applications.

https://www.tensorflow.org/



TensorFlow

Developed at Google by Google Brain team

Tensors are the fundamental data structures for computation

CUDA support for GPUs

Creates static computation graph on default mode

Must be defined before running

PyTorch

Developed at Facebook by Facebook AI team

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Network needs to be compiled

Code runs within tf.Session which separates it from Python
Debugging is done via tfdbg
Visualization using built-in
TensorBoard
Deployment using TF Serving

PyTorch

There's no additional compilation step

Tightly integrated with Python

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TensorFlow now has eager execution mode for dynamic computation graphs

PyTorch has also added support for static computation graphs

