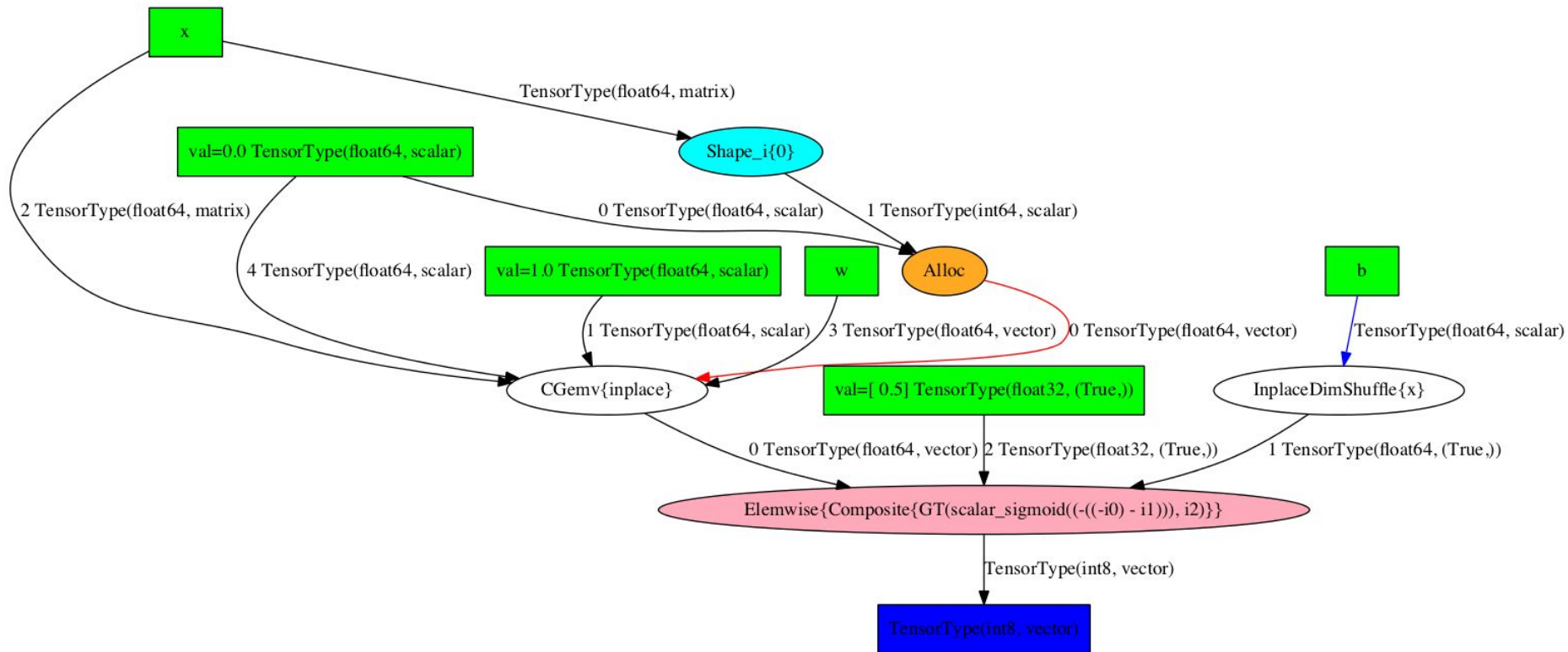


What's new in
TensorFlow?

History lesson...



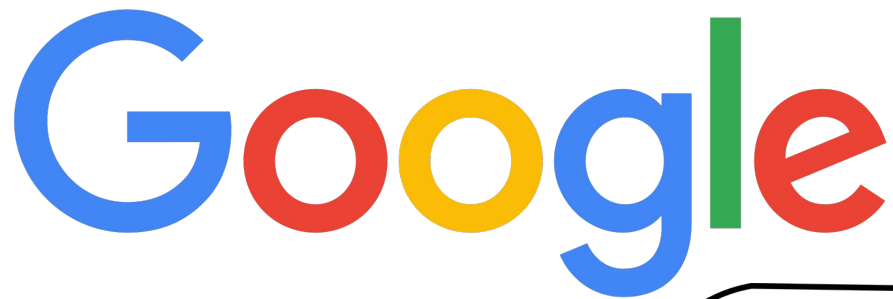
THEANO



ALL THE THINGS

The Theano way:

1. Express your model as a static graph
2. Compile the graph to get symbolic gradients
3. Run your data through the graph



The Theano way:

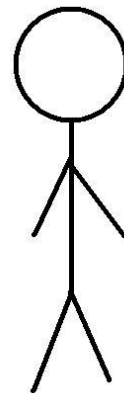
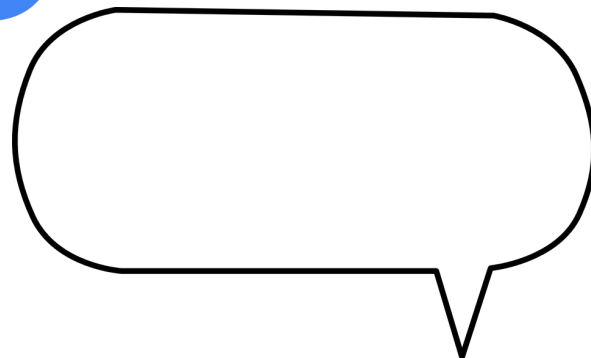
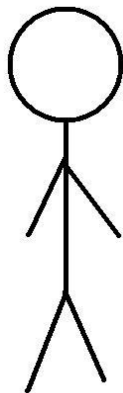
1. Express your model as a static graph
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A simple black stick figure is positioned at the bottom right. A speech bubble originates from the figure's head, containing the text "seems legit".

seems legit

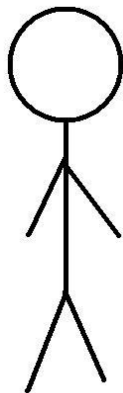
Google

Let's build exactly
the same!

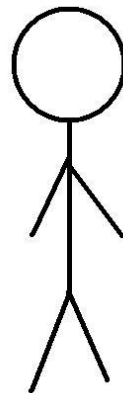


Google

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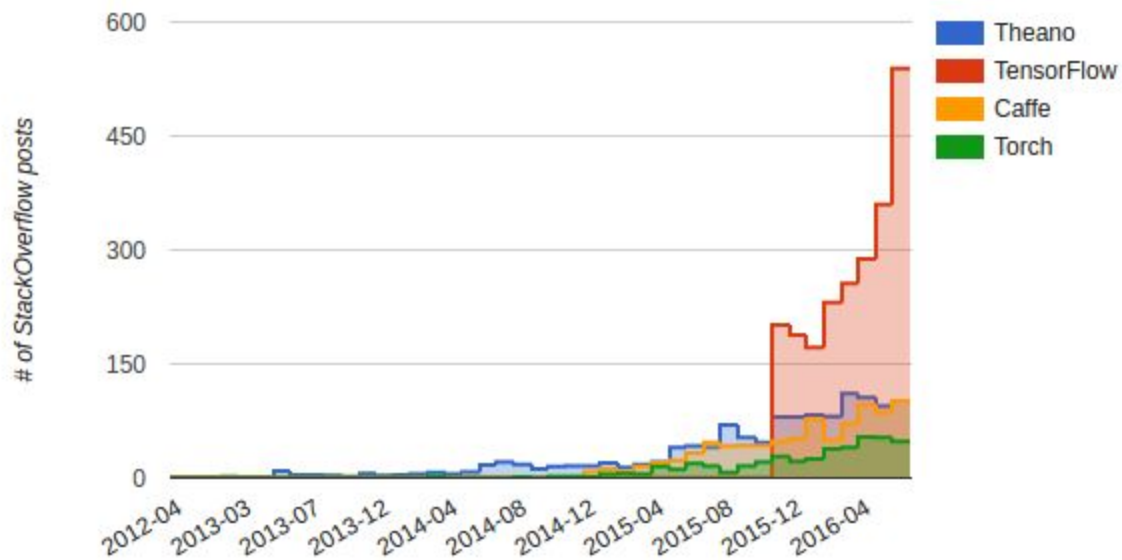


ok





Theano, TensorFlow, Caffe, and Torch



[theano-users](#) ›

MILA and the future of Theano

36 posts by 35 authors  



Pascal Lamblin



Other recipients: theano-...@googlegroups.com, thean...@googlegroups.com

Dear users and developers,

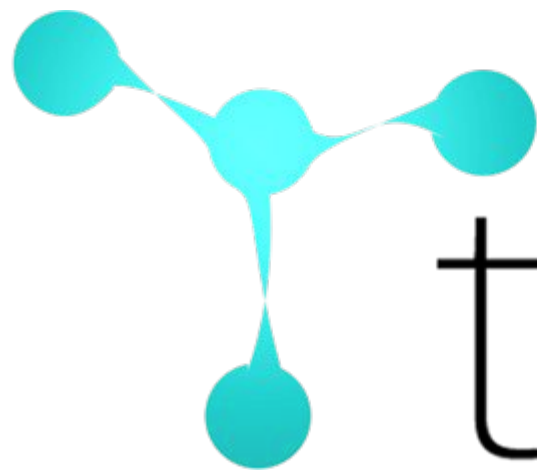
After almost ten years of development, we have the regret to announce that we will put an end to our Theano development after the 1.0 release, which is due in the next few weeks. We will continue minimal maintenance to keep it working for one year. but we will stop actively implementing

In a land far far away...

In a land far far away...

The Facebook logo, consisting of the word "facebook" in white lowercase letters on a blue rectangular background.

facebook

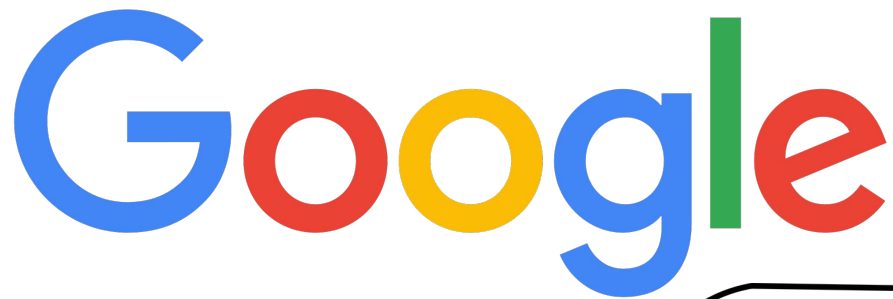


torch



The Torch way:

1. Wrap data in *Variables*
2. Do whatever you want
3. Backprop on the fly



The Torch way:

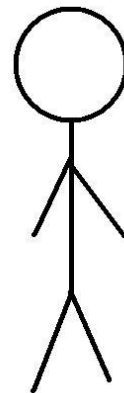
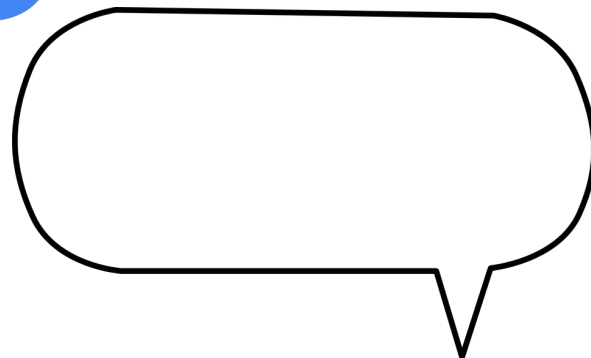
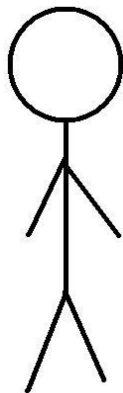
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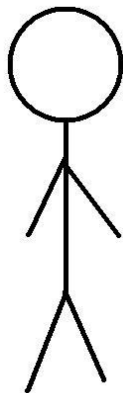
Google

Let's build exactly
the same!

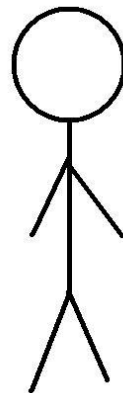


Google

Let's build exactly
the same!



ok





TensorFlow.js

A WebGL accelerated, browser based
JavaScript library for training and deploying ML
models.

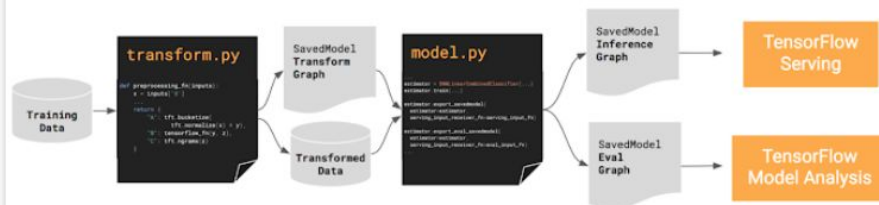
[GET STARTED](#)



TensorFlow Hub

TensorFlow Hub is a library to foster the publication, discovery, and consumption of reusable parts of machine learning models.

[GET STARTED](#)



TensorFlow Extended (TFX)

TensorFlow Extended (TFX) is an end-to-end ML platform, spanning from data ingestion, training, to production-grade serving.

[LEARN MORE](#)



TensorFlow Probability

TensorFlow Probability is a library for probabilistic reasoning and statistical analysis.

[GET STARTED](#)

Features Overview

- Eager Execution
- Data Loading
- Autograph
- Debugger