PyTorch Resources Introduction

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Joe Spisak

Joseph is the product lead for Facebook's open-source AI platform, including PyTorch and ONNX. His work spans internal collaborations with teams such as Oculus, Facebook Integrity, and FAIR, as well as working with the AI developer community to bring scalable tools to help push the state of the art forward. Prior to Facebook, Joseph led a deep-learning product management team and Global AI partnerships for Amazon AI. Before that, he was director of machine learning segment strategy for Intel.

Outline

- PyTorch Developer Resources
- Community Support
- Using Colab
- PyTorch Class resources

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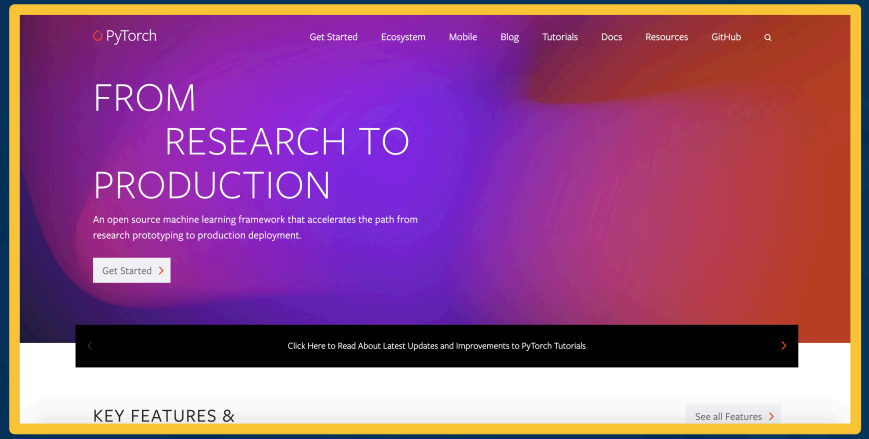

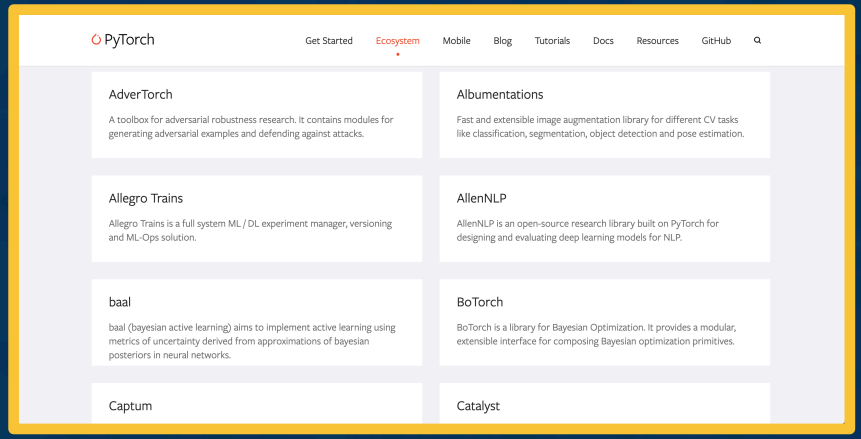

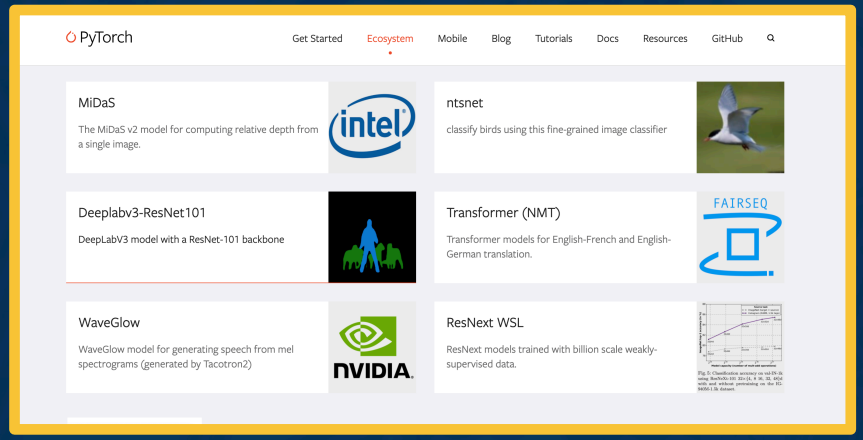

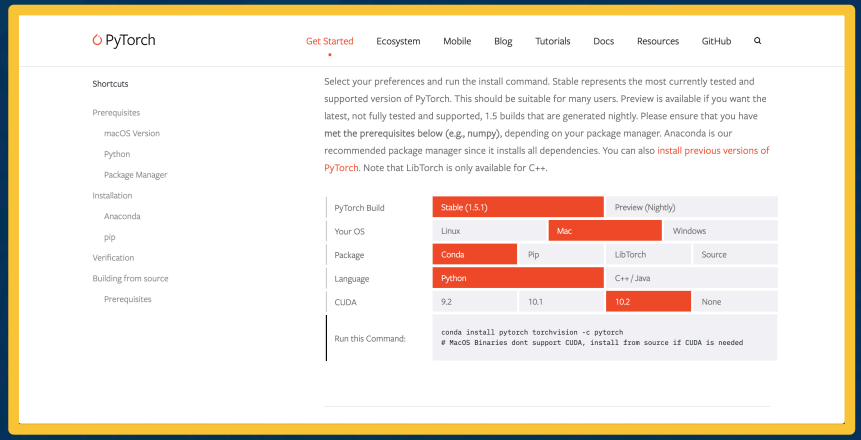

PyTorch Resources | pytorch.org

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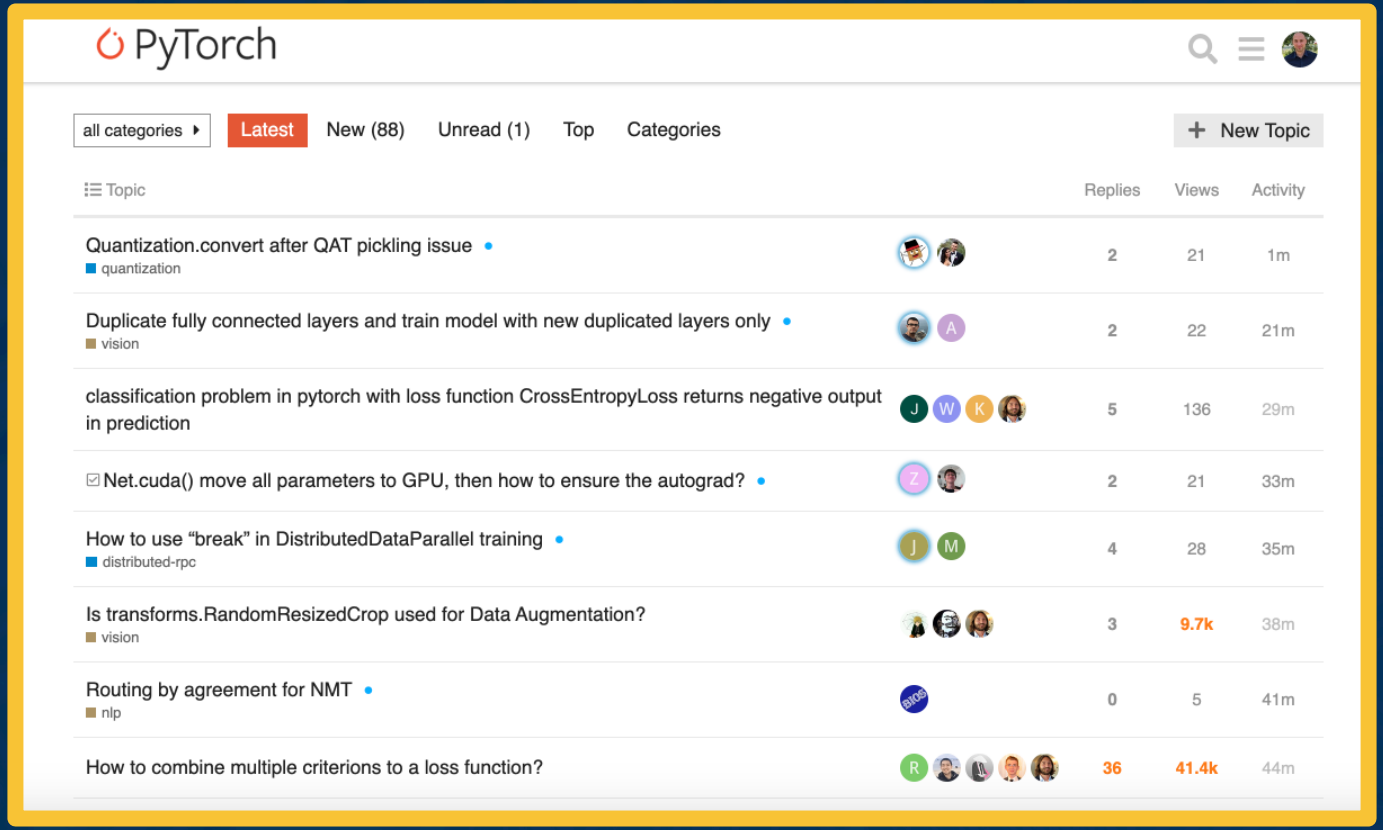
Active community with >31k users and over 206k posts



PyTorch Resources | discuss.pytorch.org

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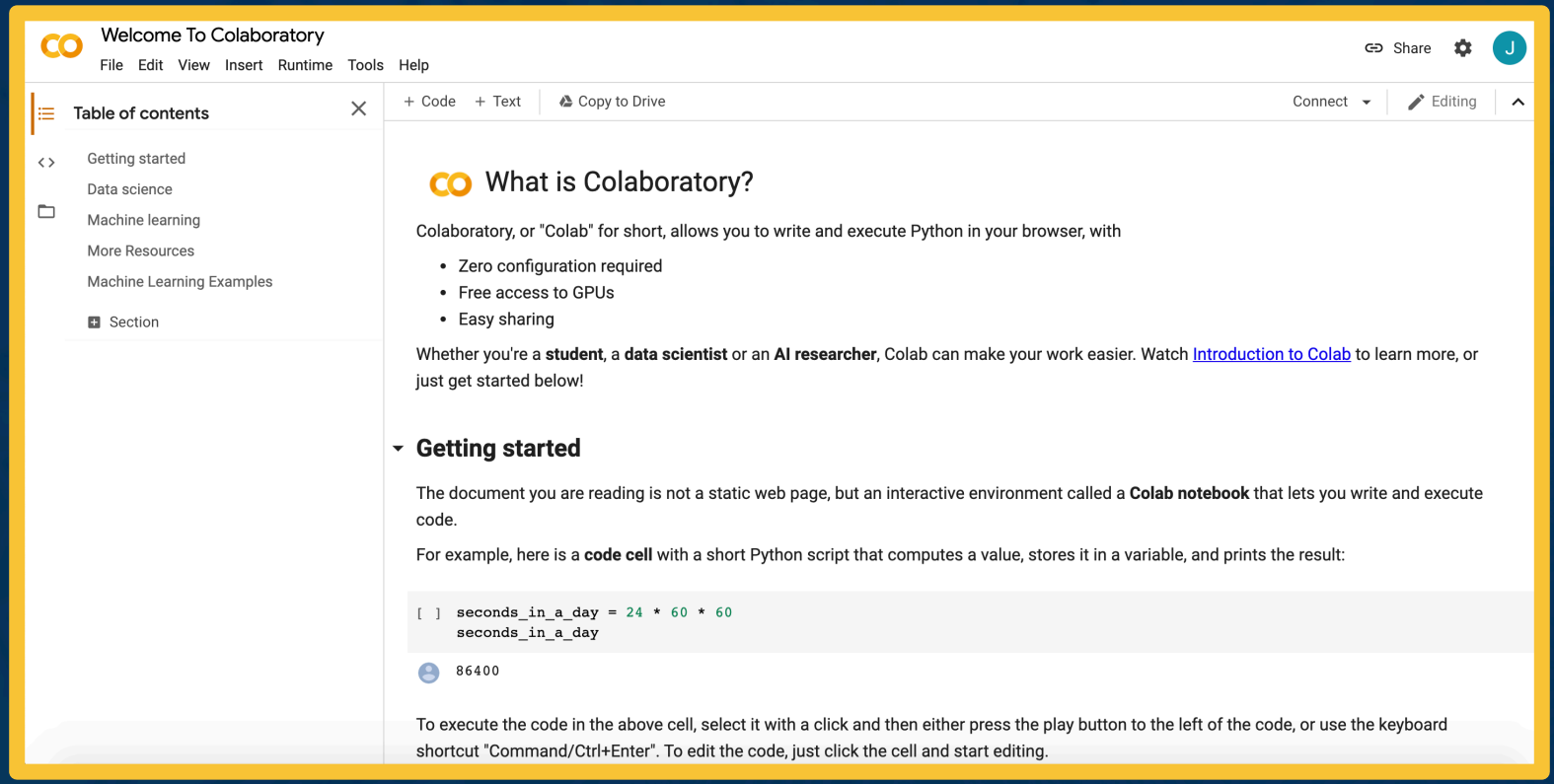
PyTorch has native support for Google Colab – Free, Supports GPUs & Jupyter



Using Colab | https://colab.research.google.com/

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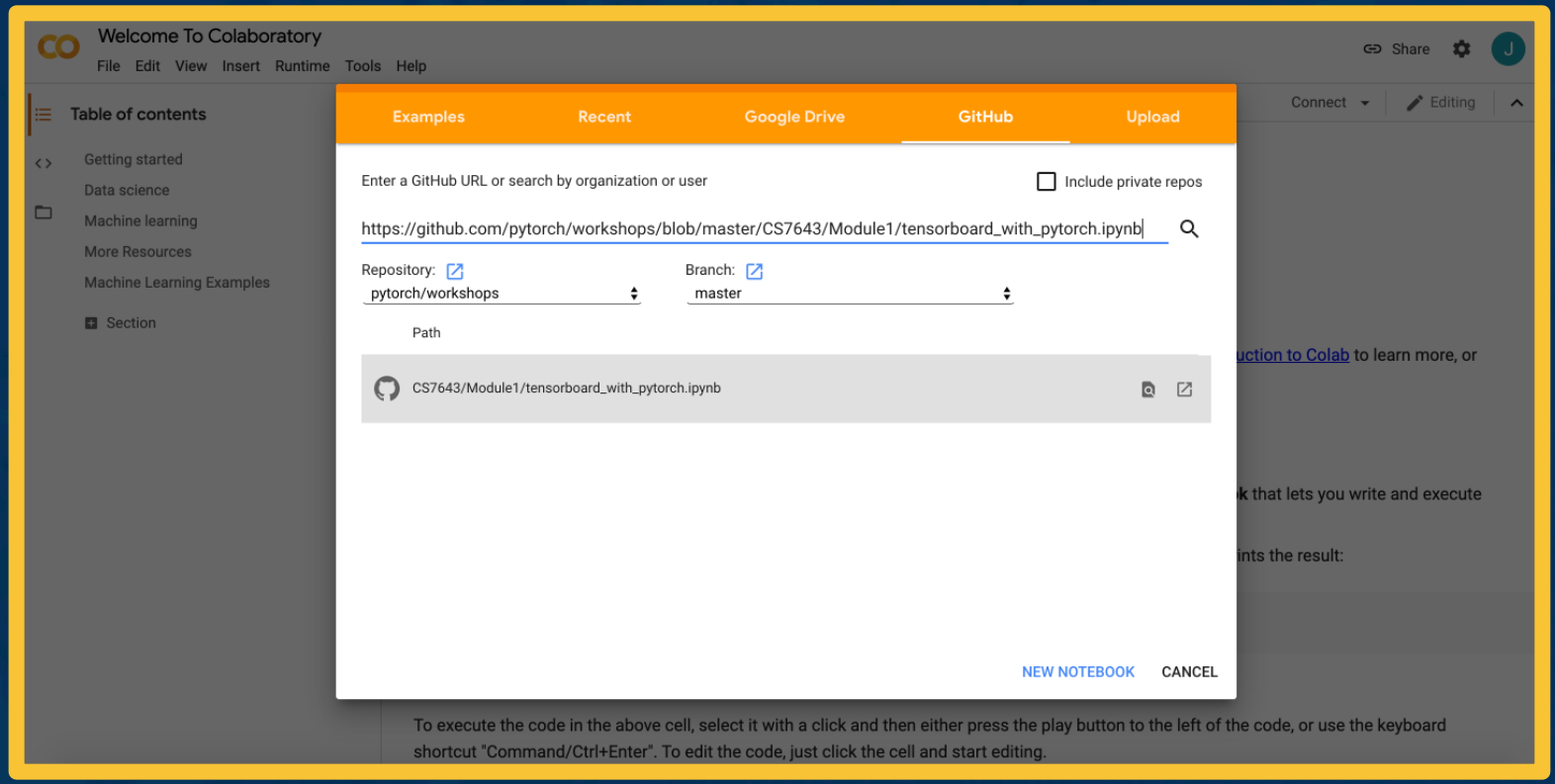
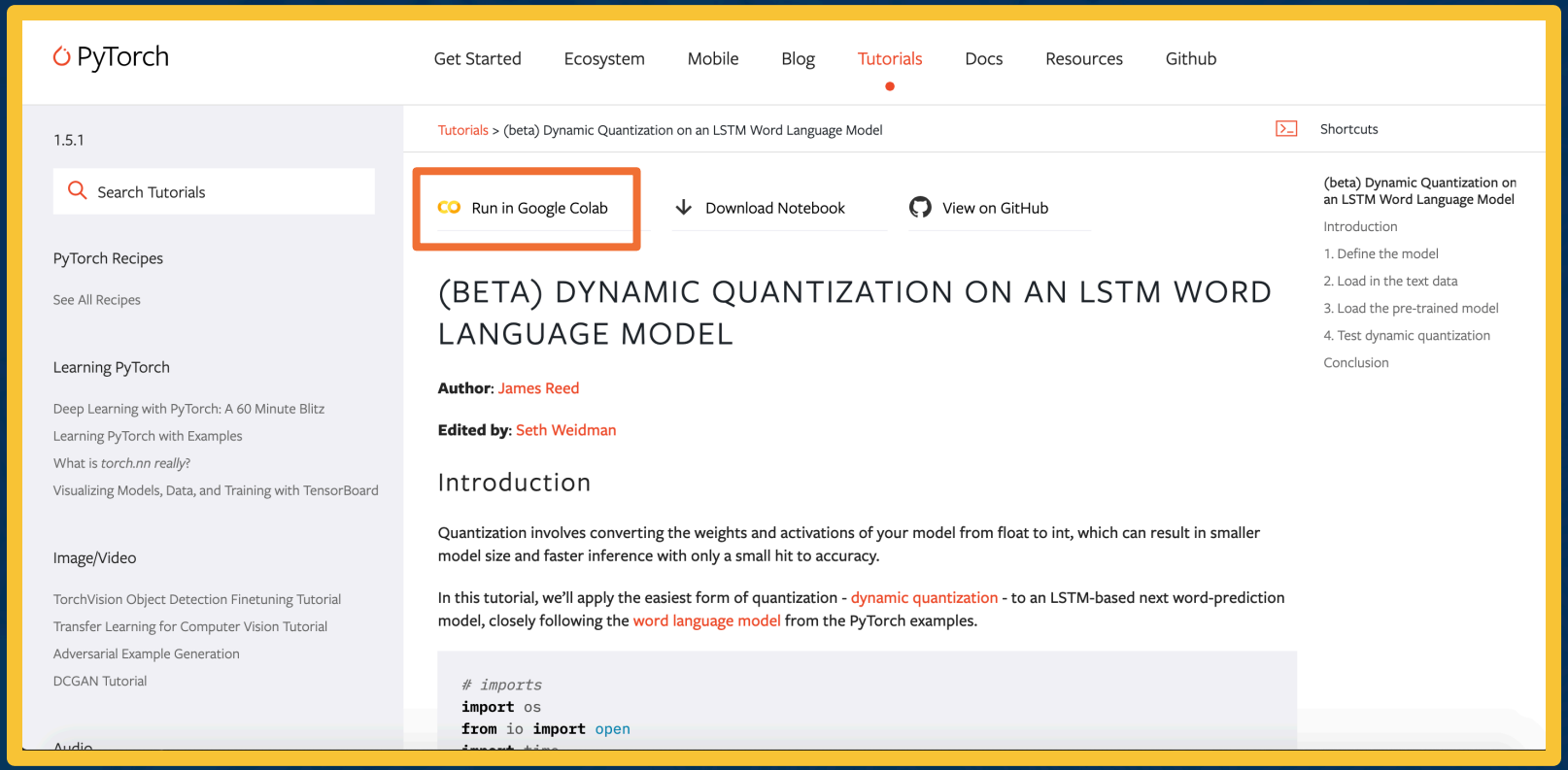
Option 1: Loading a notebook from GitHub



Option 2: Click through on PyTorch.org



Using Colab | Enter the GitHub repo

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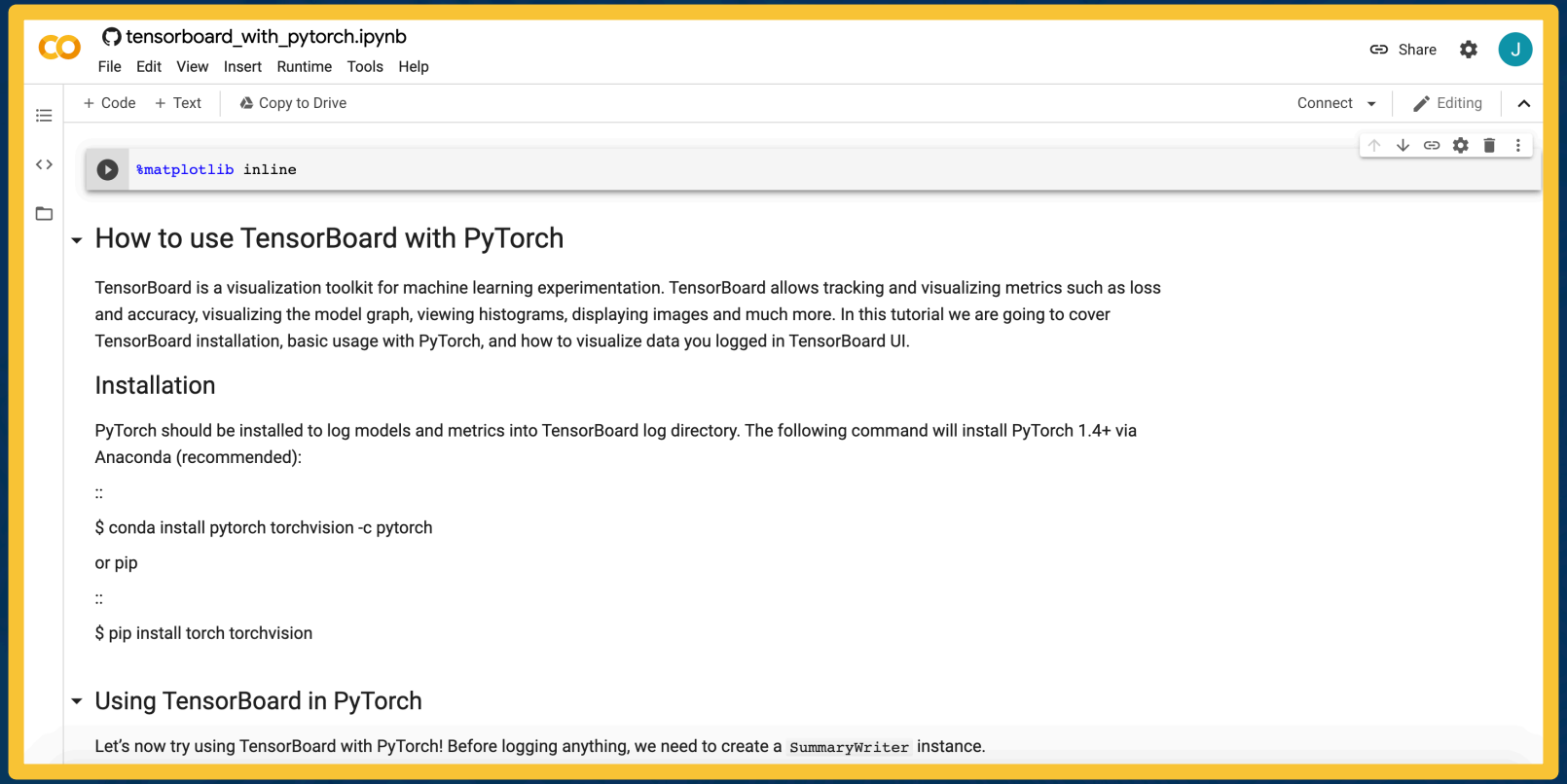
PyTorch on Jupyter via Colab



Using Colab | Notebook is now live!

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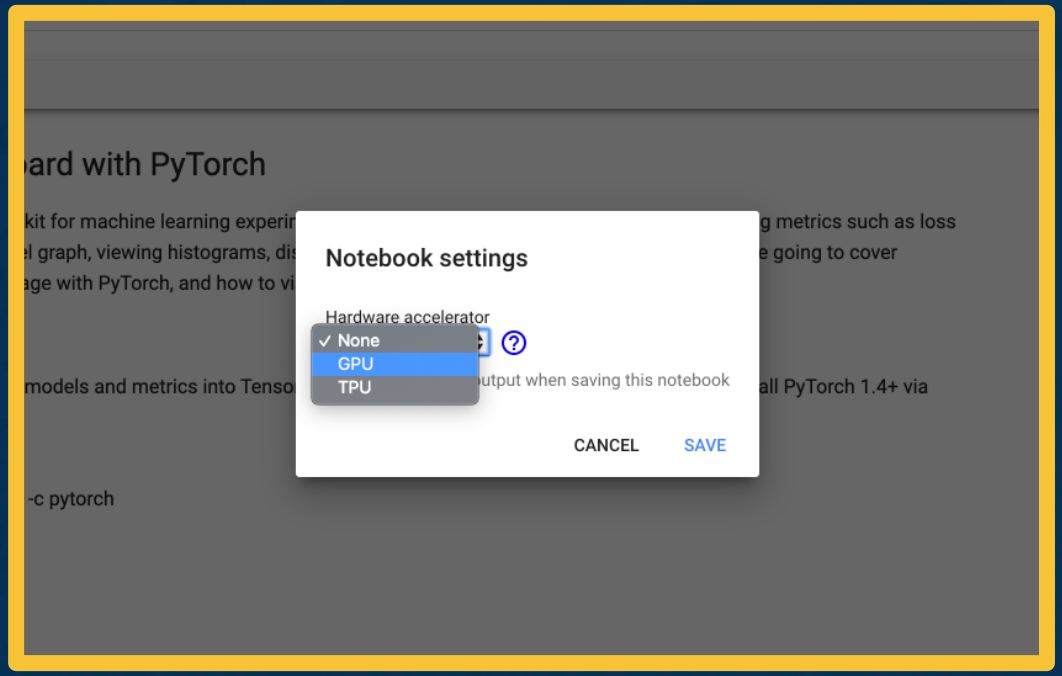
Change your runtime to GPU or TPU... ☺, Shift-Enter and you're off!!

- **CPU** (Default)
- **GPU** – typically a P100 (9.3 Tflops)
- **TPU** (Tensor Processing Units) – 90TOPS (v3)



Using Colab | Select runtime (GPU is preferred)

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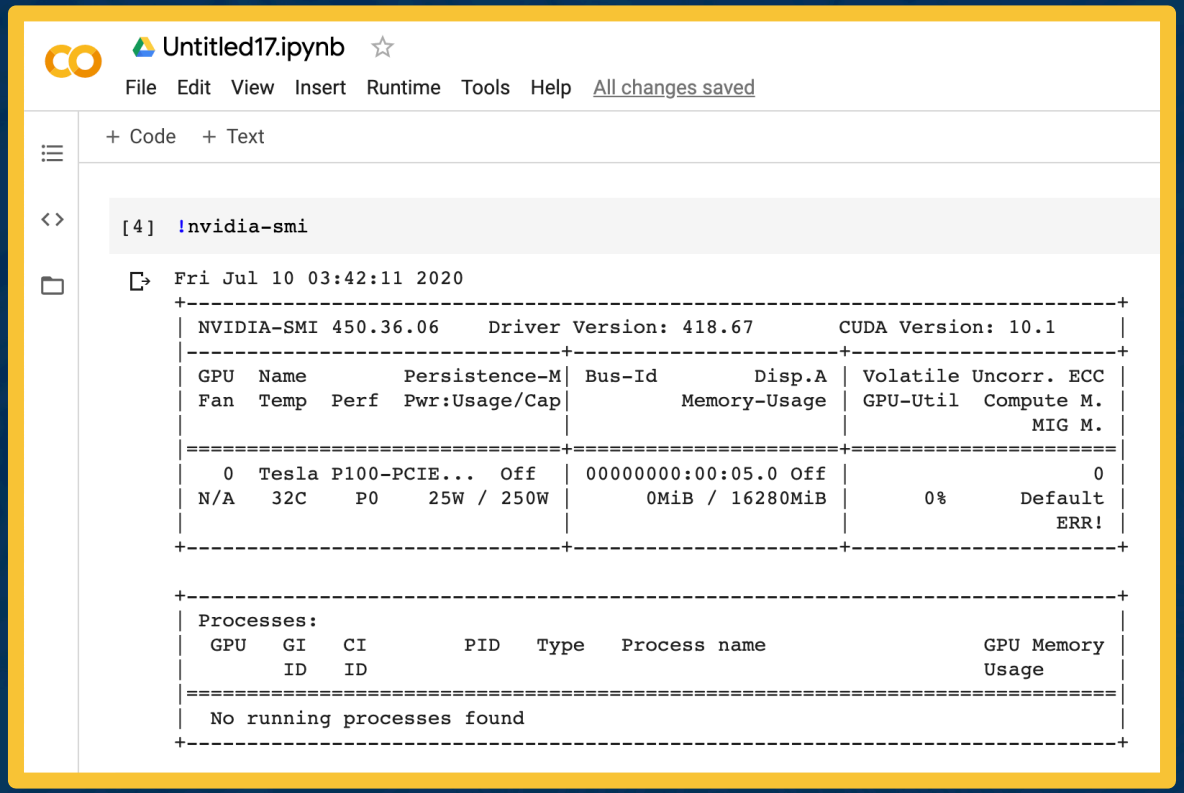
Change your runtime to GPU and run ‘!nvidia-smi’



Using Colab | Check your GPU

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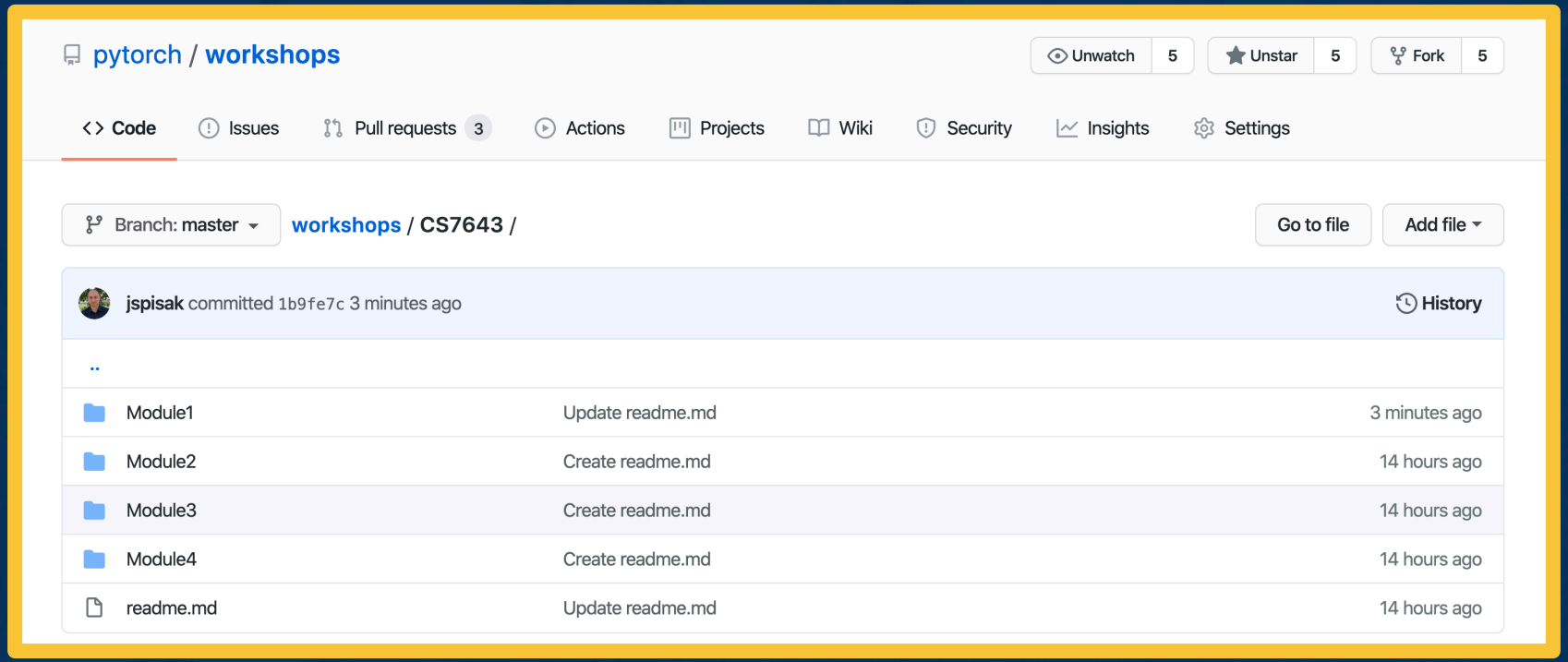
Pointers available at: https://github.com/pytorch/workshops/tree/master/CS7643



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Thanks!

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