### COMP3057

### Overview of PyTorch and CoLab

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### Introduction to AI platform

- Caffe: Developed by UC Berkeley, written in C++ with Python interface. No one use it.
- Tensorflow: Developed by Google. Deploy the ML model using Python
- Torch: Created by EPFL in lua. My first Deep Learning Platform! No one use it and update it.
- Pytorch: Created by Facebook based on Torch. Very popular now.
- Mindspore: Created by Huawei. Looks similar to Pytorch. HUAWEI uses it.
- PaddlePaddle: Created by Baidu. Baidu likes it but no one uses it.
- Google JAX: Created by Google, which uses it very often in their own papers. No one uses them at this moment.





### PyTorch

• People all over the world are using it for research.



Browse and join discussions on deep learning with PyTorch.



#### Slack

Discuss advanced topics. Request access: https://bit.ly/ptslack



### 中文文档

Docs and tutorials in Chinese, translated by the community.

### () 파이토치(PyTorch)

Tutorials in Korean, translated by the community.



#### **)** 日本語(PyTorch)

Tutorials in Japanese, translated by the community.



#### Maintainers

Learn about the PyTorch core and module maintainers.

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#### ContributionGuide

Learn how you can contribute to PyTorch code and documentation.



#### DesignPhilosophy

PyTorch design principles for contributors and maintainers.



#### Governance

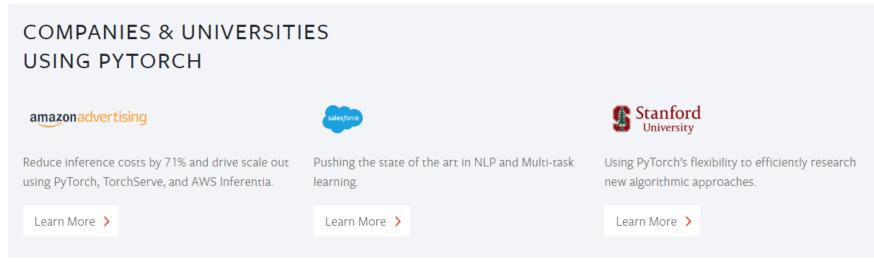
Learn about the PyTorch governance hierarchy.





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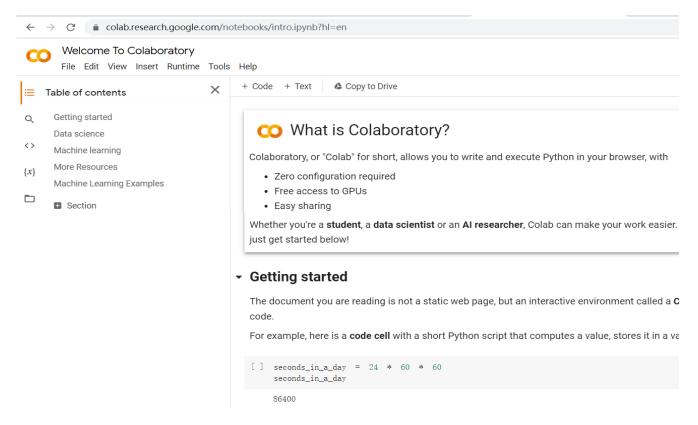








• We use Colab for teaching. You are free to try any platforms you like.







- Create a new file in Colab
- Name it as HelloWorld.ipynb
- Click Open notebook
- Let us write something

