TensorFlow is very powerful and mature deep learning library with strong visualization capabilities and several options to use for high-level model development. It has production-ready deployment options and support for mobile platforms. TensorFlow is a good option if you:

* Develop models for production
* Develop models which need to be deployed on mobile platforms
* Want good community support and comprehensive documentation
* Want rich learning resources in various forms (TensorFlow has an an entire [MOOC](https://www.udacity.com/course/deep-learning--ud730))
* Want or need to use Tensorboard
* Need to use large-scale distributed model training

PyTorch is still a young framework which is getting momentum fast. You may find it a good fit if you:

* Do research or your production non-functional requirements are not very demanding
* Want better development and debugging experience
* *Love*all things Pythonic

A note on PyTorch 1.0

PyTorch 1.0 will be released soon. It introduces [lots of amazing features](https://developers.facebook.com/blog/post/2018/05/02/announcing-pytorch-1.0-for-research-production/), including native C++ API, JIT compilation and ONNX integration. This means that you will be able to write production-ready services and do what TensorFlow Serving does. This is a big step to PyTorch and surely will empower its position as a fully featured framework for both research and production purposes.