As you have gained the skills in machine learning foundations, we now must turn our focus on advanced topics. **Scikit-learn**, **Pytorch**, **Tensorflow**, **XGBoost**, and **AutoGluon** have specialized algorithms with their own unique advantages and disadvantages. These higher-level algorithms benefit from better performance, but also more complexity. This leads us to ask the question of when it is appropriate to use these tools.

Knowing how to approach these tools and what to expect from them, provides a level of competency that will continue to serve you in your machine learning engineer career. In fact, many organizations prioritize the hiring of individuals with these skills.