

Data requirements

may not be the right choice for you.

∓ Filter

Data

min)

▶ Classification (/U min)

overfitting (105 min)

Advanced ML models

▶ Neural networks (75 min)

► Embeddings (45 min)

Real-world ML

min)

Fairness (110 min)

→ What's next

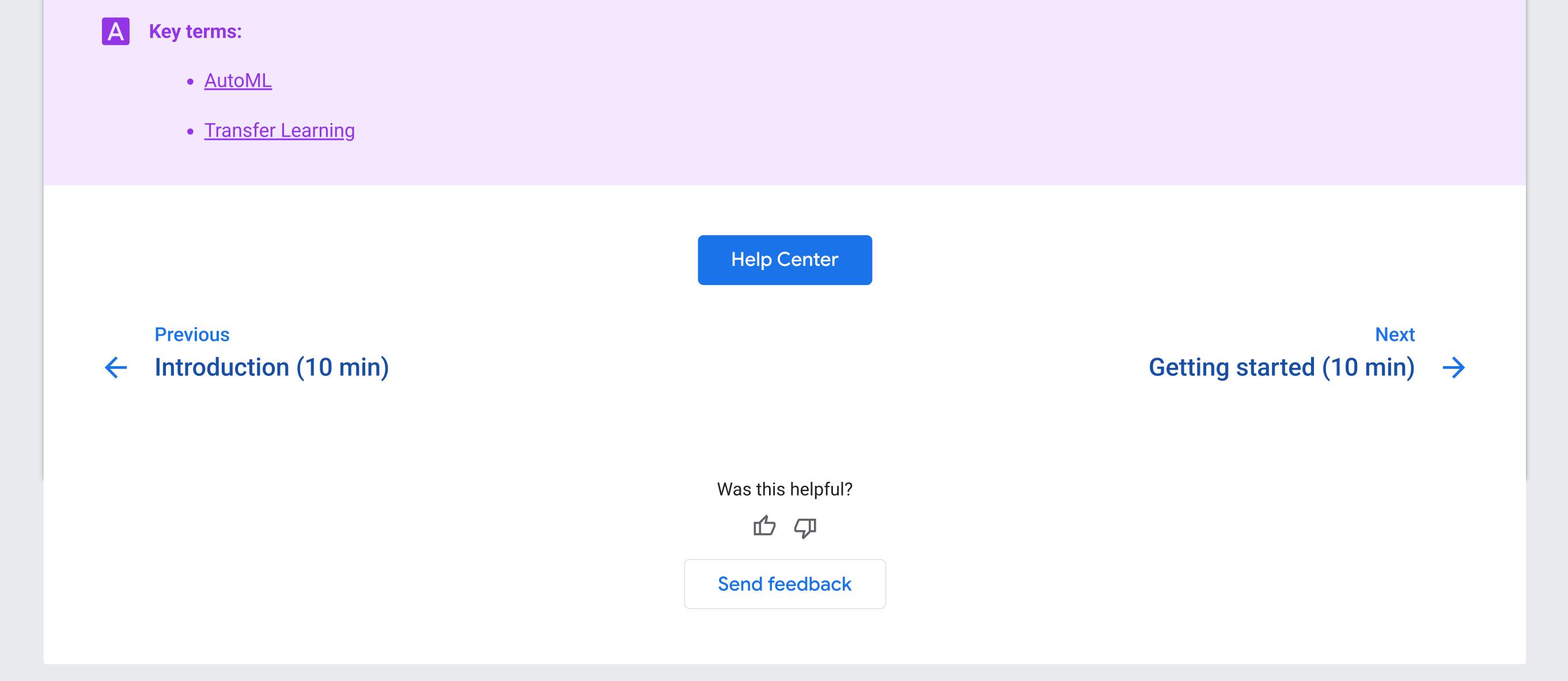
Whether you're using custom training or an AutoML system, one thing you can count on when you are building a model from scratch is that you need large amounts of data. The advantage with AutoML is that you can mostly ignore the architecture and hyperparameters search and focus primarily on the quality of your data.

There are also specialized AutoML systems that can train models with significantly less data because they use transfer learning. For example, instead of requiring hundreds of thousands of examples to build an image classification model, these specialized AutoML systems can use only a few hundred labeled images along with transfer learning from an existing image classification framework model.

Is AutoML right for your project?

AutoML can help anyone—from novices to experts—use ML to build products and solve problems. If you are trying to decide if AutoML is right for your project, consider these trade offs:

- AutoML is a great choice for a team with limited experience building ML models or experienced teams that are looking for productivity gains and don't have customization requirements.
- Custom (manual) training is more appropriate when model quality is important and the team needs to be able to customize their model. In these cases, manual training may require more time for experimentation and building a solution, but the team can often achieve a higher quality model than with an AutoML solution.



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