

These concepts are always important because they are another foundational piece to the machine learning knowledge base.

- When using the ML lifecycle, the structure helps the business understand how models interact and function within the wider application.
- These algorithms and fundamentals help extend into advanced ML topics, including deep learning, where the core ideas are also highly relevant.
- When starting with simple ML algorithms, it provides a baseline metric on which you can later gauge future work.
- Because machine learning concepts often entail simpler models, it allows them to be more transparent and easier to debug. Simpler often means easier to implement and easier to understand.
- Simpler models also provide faster training and inference, which leads to a more performant model that may benefit the end-user of the model.

## Additional Resources

- [AWS](#) has a good paragraph in their documentation about when to approach ML.