



Supervised vs. Unsupervised

Introduction to the two main classes of algorithms in Machine Learning — Supervised Learning & Unsupervised Learning.

As humans, we have many different ways we learn things. The way you learned calculus, for example, is probably not the same way you learned to stack blocks. The way you learned the alphabet is probably wildly different from the way you learned how to tell if objects are approaching you or going away from you. The latter you might not even realize you learned at all!

Similarly, when we think about making programs that can learn, we have to think about these programs learning in different ways. Two main ways that we can approach machine learning are **Supervised Learning** and **Unsupervised Learning**. Both are useful for different situations or kinds of data available.

Supervised Learning

Let's imagine you're first learning about different genres in music. Your music teacher plays you an indie rock song and says "This is an indie rock song". Then, they play you a K-pop song and tell you "This is a K-pop song". Then, they play you a techno track and say "This is techno". You go through many examples of ..