Practical Machine Learning for Computer Vision

End-to-End Machine Learning for Images

Early Release

RAW & UNEDITED

Valliappa Lakshmanan
Martin Görner & Ryan Gillard

Practical Machine Learning for Computer Vision

by Valliappa Lakshmanan, Martin Görner, and Ryan Gillard

Revision History for the Early Release

- 2021-03-09: First Release
- 2021-04-29: Second Release

See http://oreilly.com/catalog/errata.csp?isbn=9781098102364 for release details.

Chapter 1. Machine Learning for Computer Vision

Imagine that you are sitting in a garden, observing what's going on around you. There are two systems in your body that are at work: your eyes are acting as sensors and creating representations of the scene while your cognitive system is making sense of what your eyes are seeing. Thus, you might see a bird, a worm, and some movement and realize that the bird has walked down the path and is eating a worm (see Figure 1-1).