# Introduction

* It is called “supervised” because of the presence of the outcome vari- able to guide the learning process.
* In the unsupervised learning problem, we observe only the features and have no measurements of the outcome.
* We recommend that Chapters 1–4 be first read in sequence. Chapter 7 should also be considered mandatory, as it covers central concepts that pertain to all learning methods. With this in mind, the rest of the book can be read sequentially, or sampled, depending on the reader’s interest.
* The Introduction has no more constructive messages, just give some example (not explicitly explain).

# 2. Overview of Supervised Learning

* a set of inputs that has been measured or labelled + one or more outputs = supervised learning

## 要了解更多信息并获取 OneNote，请访问 [www.onenote.com](http://go.microsoft.com/fwlink/?LinkID=523891)。