## 3 Time series in pandas

## 100%

In this chapter, you will learn how to manipulate and visualize time series data using Pandas. You will become familiar with concepts such as upsampling, downsampling, and interpolation. You will practice using Pandas' method chaining to efficiently filter your data and perform time series analyses. From stock prices to flight timings, time series data are found in a wide variety of domains and being able to effectively work with such data can be an invaluable skill.

▶ Indexing pandas time series	50 xp
Reading and slicing times	50 xp
Creating and using a DatetimeIndex	100 xp
Partial string indexing and slicing	100 xp
Reindexing the Index	100 xp
Resampling pandas time series	50 xp
Resampling and frequency	100 xp
Separating and resampling	100 xp
Rolling mean and frequency	100 xp
Resample and roll with it	100 xp
Manipulating pandas time series	50 xp
Method chaining and filtering	100 xp
Missing values and interpolation	100 xp
Time zones and conversion	100 xp
▶ Visualizing pandas time series	50 xp
Plotting time series, datetime indexing	100 xp
Plotting date ranges, partial indexing	100 xp

## **HIDE CHAPTER DETAILS**