2 Exploratory data analysis

100%

Having learned how to ingest and inspect your data, you will next explore it visually as well as quantitatively. This process, known as exploratory data analysis (EDA), is a crucial component of any data science project. Pandas has powerful methods that help with statistical and visual EDA. In this chapter, you will learn how and when to apply these techniques.

▶ Visual exploratory data analysis	50 xp
pandas line plots	100 xp
pandas scatter plots	100 xp
pandas box plots	100 xp
pandas hist, pdf and cdf	100 xp
Statistical exploratory data analysis	50 xp
■ Fuel efficiency	50 xp
Bachelor's degrees awarded to women	100 xp
Median vs mean	100 xp
Quantiles	100 xp
Standard deviation of temperature	100 xp
Separating populations with Boolean indexing	50 xp
Filtering and counting	50 xp
Separate and summarize	100 xp
Separate and plot	100 xp

HIDE CHAPTER DETAILS

Completed