

4 Grouping data

100%

In this chapter, you'll learn how to identify and split DataFrames by groups or categories for further aggregation or analysis. You'll also learn how to transform and filter your data, including how to detect outliers and impute missing values. Knowing how to effectively group data in pandas can be a seriously powerful addition to your data science toolbox.

▶	Categoricals and groupby	50 xp
☰	Advantages of categorical data types	50 xp
</>	Grouping by multiple columns	100 xp
</>	Grouping by another series	100 xp
▶	Groupby and aggregation	50 xp
</>	Computing multiple aggregates of multiple columns	100 xp
</>	Aggregating on index levels/fields	100 xp
</>	Grouping on a function of the index	100 xp
▶	Groupby and transformation	50 xp
</>	Detecting outliers with Z-Scores	100 xp
</>	Filling missing data (imputation) by group	100 xp
</>	Other transformations with .apply	100 xp
▶	Groupby and filtering	50 xp
</>	Grouping and filtering with .apply()	100 xp
</>	Grouping and filtering with .filter()	100 xp
</>	Filtering and grouping with .map()	70 xp

HIDE CHAPTER DETAILS