

Data and visualisation

The first three videos form an introduction to the basics of **descriptive statistics**. We'll tell you why it makes sense to think about your data in terms of **cases** and **variables**, and we'll show you that the best way to order your cases and variables is by means of a **data matrix**. There are many different kinds of variables out there. To avoid confusion when we analyze them, we distinguish different **levels of measurement**.

When we present our data to others, we often summarize them by means of tables and/or graphs such as **frequency tables**, **pie charts**, **bar graphs**, **dot plots** and **histograms**. We'll also discuss various types of **distributions** of data.

