# Tools of the Trade: Linux and SQL

## Introduction to operating systems

- Common operating systems
- Main functions of an operating system
- Relationship between operating systems, applications, and hardware
- GUI and CLI

## The Linux operating system

- The architecture of Linux
- Different distribution of linux

## Linux commands in the Bash Shell

- The command line
- Navigating and managing the file system
- Authenticating and authorizing users

## Databases and SQL

- Relational databases
- SQL queries
- SQL filters
- SQL joins