

# SQL window functions – Lesson overview

SQL window functions, also known as analytic functions, are a powerful way to analyse and manipulate data within SQL queries by allowing us to perform calculations that consider the **context of neighbouring rows**.

In this lesson, we are introduced to SQL window functions and how to harness their capabilities to **perform advanced data analysis tasks**. We will learn how to rank data, calculate running totals, and access values from neighbouring rows.

## Learning objectives

- Understand what SQL window functions are and how they differ from conventional aggregate functions.
- Know window function syntax, its basic operation, and the different types of window functions and their capabilities.
- Know how to apply window functions in SQL.

 Slide deck

 Knowledge questions

 Walk-through

 Notebook

 Exercise

 Reference card

