Data Handling in R Training

Duration: **3 Day**

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Overview

This three day course is aimed at those wishing to learn how to use R with Tidyverse packages to work with and handle Data. When combined with our Introduction to Data Science course you would be set up well to follow an R learning journey into Data Science, Machine Learning, and Artificial Intelligence.

During the programme you will be introduced to R and specific development environments and packages for working with Data, with a focus on Tidyverse packages including dplyr, tidyr, stringr, ggplot2 and more.

Along the way you will see how to clean and manipulate tabular data, apply simple statistical techniques and create engaging data visualisations.

Throughout the course you will engage with activities and discussions with one of our Data Science technical specialists and complete technical lab activities to practice the techniques you have learnt and develop ideas for further practice.

Prerequisites

No prior experience with R is necessary, though it is assumed that you will be familiar with core data concepts such as simple table structures and data types – all the pre-requisites you need are covered by our Data Essentials (QADESS) course.

Target Audience

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What You Will Learn

- Benefit from the speed and functionality of R and the Tidyverse
- Create and control Data Visualisations using ggplot and related packages
- Use the RStudio environment with R Scripts or Quarto Documents
- Retrieve, clean, and prepare data from multiple types of sources with tidyr, dplyr, and related packages
- Gain a firm grounding in R with Data in order to progress to further study to connect to AI models, Engineer data pipelines, and develop Data Science solutions