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# Getting Started with R – One Day Course Agenda

## Overview

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Course provides users with the knowledge to get the most out of R. Participants will learn how to use R efficiently & productively for data extraction, transformations and analysis through R visualisations.

### Target Audience

Analysts, data scientists, developers, and Analytics managers. All new & relatively new users. R scripts and course notes are provided to participants.

### Learning Outcomes

At the end of this course delegates will have gained the following knowledge and capabilities:

- Confidently set up their own R development environment
  - Understand the fundamentals of R scripting
  - Gain hands on experience in using R scripting to manipulate data at all stages of a modern data platform.
  - Write R Scripts to create a variety of data visualisations.
  - Apply R for advanced predictive modelling techniques (Regression Models)
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# Getting Started with R DWRB-300

## One Day Course – Example Agenda



#	Topic
1.	<b>Introduction to R and RStudio</b> <ul style="list-style-type: none"><li>• What is R?</li><li>• Setting up your local R scripting environment in RStudio</li><li>• Fundamentals of R Language (Vector &amp; Dataframe)</li></ul>
2.	<b>Introduction to Statistics</b> <ul style="list-style-type: none"><li>• Basic statistics in R</li></ul>
3.	<b>Basic Data Wrangling and Shaping</b> <ul style="list-style-type: none"><li>• Use R to Extract Data</li><li>• Essential data manipulations using R (Stack, Subset &amp; Merge)</li><li>• Enriching data and performing calculations.</li></ul>
4.	<b>Fundamentals of Visualisation in R</b> <ul style="list-style-type: none"><li>• Getting data Export ready</li><li>• Fundamentals of R visualisation</li><li>• The R Visualisation Library (ggplot)</li></ul>
5.	<b>Visualisation Deep Dive</b> <ul style="list-style-type: none"><li>• Histograms, Box Plots, Bar Charts, Scatter Plots</li><li>• Extensive Customisation of R Visualisations</li><li>• Multiple Charts</li><li>• R Markdown</li></ul>
6.	<b>Summary and Close</b>