

LEVEL: Intermediate (3)

DURATION: 1/2 Day

Prerequisites

Attendees are expected to have a good understanding of R and analytics, and should have taken or be familiar with the content of the Programming in R for Analysts course.

Overview

Discover and understand the principles required to create powerful visualisations which effectively and accurately communicate the stories inside data. Using the powerful and expressive {ggplot2} package you will learn how to apply these principles while exploring the common pitfalls to avoid when creating your own visualisations.

Teaching Approach

This course will start with an introduction to {ggplot2}, with corresponding exercises for the beginner. Following the introduction more advanced examples will be displayed in a show-and-tell style. All attendees will need access to a computer and will need to have pre-installed a recent version of R and RStudio and will need to be able to install R packages. The course will be taught by Mango Solutions consultants.

Details

Introduction:

- Terminology
- The Objective of a Visualisation
- Graphical Perception and Data Visualisation
- Introduction to {ggplot2}
- Overview of the grammar of graphics
- A basic **ggplot2** template
- Mapping Data and Analysis to Graphics
- Correlation/Relationship
- Magnitude/Ranking
- Distribution/Composition

Workshop 1: The Science (and Art) of Data Visualisation
in {ggplot2}

Tuesday 13th October 2020, 2pm-5pm BST



Trainers

Nick Howlett & Joe Russell, Mango Solutions

