Overview:

R has always been known for the strength of its visualisation tools. The aim of this workshop is to introduce just one of these tools, namely the powerful and incredibly popular ggplot2. This course is aimed at R users who have a basic working knowledge of the R language and would like to add a more advanced graphics package to their toolbox. It will provide a hands-on introduction to ggplot2 with lots of example code and graphics. Participants will leave this workshop with an understanding of how to recreate plots used in their daily workflow; how you can use the grammar of graphics to manipulate these graphics to publication ready quality and give you the knowledge to extend the grammar.

Outline:

The following topics will be discussed during the training:

• An introduction to the grammar of graphics ideology
• Getting started with qplot
• Geoms, stats, scales and coordinate systems
• Panelling (or faceting)
• Themes
• Using multiple datasets
• Extensions

Prerequisites:

• Participants should have a working knowledge of the R language having completed the Mango Solutions Introduction to R or similar.
• Participants should bring laptop with R (>= 3.1.2) installed as well as ggplot2 (>= 2.1.0) and its imports (digest, grid, gtable (≥ 0.1.1), MASS, plyr (≥ 1.7.1), reshape2, scales (≥ 0.3.0), stats).

Note: This workshop is interactive and will include exercises. Participants will require a laptop.