

R Basic Graphics

Base Graphics in R

Gaston Sanchez

R Graphics

- ▶ R has a number of functions that produce graphics on screen.
- ▶ When these functions are called, a graphics window is opened on screen (if one is not already open) and the graphs are drawn or rendered there.
- ▶ Some functions draw an entire graph with a single function call; they are called high-level graphics functions.
- ▶ Other graphics functions are used to build up graphs incrementally; they are called low-level graphics functions.

The `plot()` Function

- ▶ The most basic plotting function is called `plot`.
- ▶ It takes a set of x and y coordinates and produces a plot based on those coordinates.
- ▶ The simplest plot is a simple scatterplot, but optional arguments make it possible to produce a variety of different plot styles.
- ▶ Other optional arguments control features such as axis labelling and annotation.

plot() example

```
xvals <- 1:100  
yvals <- rnorm(100)  
plot(xvals, yvals)
```

