Generate a sequence of 50 integers.

x <- seq(1:50)

Generate 50 normally distributed random numbers.

y <- rnorm(50)

Fit a linear model to the data.

fm = lm(y ~ x)

Output the names of the coefficients.

names(fm$coefficients)

[1] "(Intercept)"

[2] "x"

Output the coefficient values.

fm$'coefficients'

[1] -0.00247073891735626

[2] 0.00554210012640759

Standard point plot.

plot(x, y)

Unweighted regression line.

abline(coef(fm))

