# A Minimal Example

We examine the relationship between speed and stopping distance using a linear regression model: .

par(mar = c(4, 4, 1, 1), mgp = c(2, 1, 0), cex = 0.8)  
plot(cars, pch = 20, col = 'darkgray')  
fit <- lm(dist ~ speed, data = cars)  
abline(fit, lwd = 2)

The slope of a simple linear regression is 3.9324088.