

```
temp <- c(50, 53, 54, 55, 56, 59, 62, 65,  
67, 71, 72, 74, 75, 76, 79).
```

```
yield <- c(122, 118, 128, 121, 125, 136,  
144, 142, 149, 161, 167, 168, 162, 171,  
175)
```

```
names <- c('a', 'b', 'c', 'd', 'e',  
'f', 'g', 'h', 'i', 'j', 'k', 'l', 'm',  
'n', 'o').
```

```
data <- data.frame(temp, yield)  
rownames(data) <- names  
data
```

```
data.lm <- lm(yield ~ temp, data = data)  
data.lm
```

```
summary(data.lm)
```

```
pred <- fitted(data.lm)  
pred,
```

```
plot(data$temp, data$yield, col = "blue")
```

```
x <- coef(data.lm)
```

```
abline(x, lty = 1, col = "red")
```

```
plot(data.lm, which = 1).
```