03-17-15-multiple-regression

Te Rutherford

March 17, 2015

Fitting multiple regression model

► The data look like this

```
mydata = data.frame(pressure = 1:5, temperature=c(1,2,2,4,3
mydata
```

R Command for fitting multiple regression

nameyourmodelhere = lm(compression ~ pressure + temperature
summary(nameyourmodelhere)

all:

lm(formula = compression ~ pressure + temperature, data = n

Residuals:

Coefficients:

Estimate Std. Error t value Pr(>|t|) (Intercept) 0.3500 0.3640 0.962 0.4377 pressure 1.1500 0.1803 6.379 0.0237 * temperature -0.7500 0.2500 -3.000 0.0955 .

Signif. codes: 0 '*** 0.001 '** 0.01 '* 0.05 '.' 0.1 '