R version 3.4.1 (2017-06-30) -- "Single Candle"

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Platform: i386-w64-mingw32/i386 (32-bit)

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[Workspace loaded from ~/R/.RData]

Loading required package: RPostgreSQL

Loading required package: DBI

> drv <- dbDriver("PostgreSQL")

> con <- dbConnect(drv, dbname = "myapp\_development", host = "localhost", port = 5433, user = "postgres", password = "rowan1")

> dbExistsTable(con, "Rowan")

[1] TRUE

> mytable <- dbReadTable(con, c("Rowan"))

> View(mytable)

> color<-as.factor(mytable$color)

> length(color)

[1] 236

> summary(color)

BLACK BLUE RED

63 128 45

> sales<-as.numeric(mytable$sale\_price)

> length(sales)

[1] 236

> summary(lm(sales~color))

Call:

lm(formula = sales ~ color)

Residuals:

Min 1Q Median 3Q Max

-136333 -71148 -32310 26714 1653852

Coefficients:

Estimate Std. Error t value Pr(>|t|)

(Intercept) 113286 18242 6.210 2.41e-09 \*\*\*

colorBLUE 32863 22283 1.475 0.1416

colorRED 63048 28260 2.231 0.0266 \*

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Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 144800 on 233 degrees of freedom

Multiple R-squared: 0.02141, Adjusted R-squared: 0.01301

F-statistic: 2.549 on 2 and 233 DF, p-value: 0.08031

> color<-as.numeric(color)

> cor(sales,color)

[1] 0.1462656

> mydata<- mytable[mytable$color =="RED",]

> View(mydata)

> sale1<- as.numeric(mydata$sale\_price)

> plot(sale1, main="ScatterPlot", ylab="Sales")

> lines(lowess(sale1))

> dbDisconnect(con)

[1] TRUE

> dbUnloadDriver(drv)

[1] TRUE