data(Orders)

Warning message:

In data(Orders) : data set ‘Orders’ not found

> data(a)

Warning message:

In data(a) : data set ‘a’ not found

> month10=subset(a,month=5)

> sapply(a,function(x){sum(is.na(x))})

count year month day hour

0 0 0 0 0

working\_day weekend\_day public\_holiday

0 0 0

> library(corrplot)

Error in library(corrplot) : there is no package called ‘corrplot’

> o=corrplot(cor(a),method=’number’)

Error: unexpected input in "o=corrplot(cor(a),method=�"

> o=corrplot(cor(a),method='number')

Error in corrplot(cor(a), method = "number") :

could not find function "corrplot"

> install.packages("corrplot")

Installing package into ‘/home/rstudio-user/R/x86\_64-pc-linux-gnu-library/3.6’

(as ‘lib’ is unspecified)

trying URL 'http://package-proxy/src/contrib/corrplot\_0.84.tar.gz'

Content type 'application/x-tar' length 5450433 bytes (5.2 MB)

==================================================

downloaded 5.2 MB

\* installing \*binary\* package ‘corrplot’ ...

\* DONE (corrplot)

The downloaded source packages are in

‘/tmp/Rtmpeo2s6A/downloaded\_packages’

> o=corrplot(cor(a),method='number')

Error in corrplot(cor(a), method = "number") :

could not find function "corrplot"

> o=corrplot(cor(a),method='number')

Error in corrplot(cor(a), method = "number") :

could not find function "corrplot"

> Model\_lm1=lm(Temp~.,data=a)

Error in eval(predvars, data, env) : object 'Temp' not found

> Model\_lm1=lm(month~.,data=a)

> summary(Model\_lm1)

Call:

lm(formula = month ~ ., data = a)

Residuals:

Min 1Q Median 3Q Max

-6.3967 -1.8699 0.2173 1.9793 5.3127

Coefficients:

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

(Intercept) 7.551e+03 7.555e+01 99.949 < 2e-16 \*\*\*

count -1.209e-03 4.801e-03 -0.252 0.801136

year -3.740e+00 3.746e-02 -99.850 < 2e-16 \*\*\*

day -3.776e-03 2.685e-03 -1.407 0.159585

hour 2.329e-04 4.104e-03 0.057 0.954750

working\_day -1.042e+00 2.528e-01 -4.122 3.78e-05 \*\*\*

weekend\_day -9.407e-01 2.472e-01 -3.806 0.000142 \*\*\*

public\_holiday -4.409e-01 2.092e-01 -2.108 0.035090 \*

---

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

Residual standard error: 2.821 on 14764 degrees of freedom

Multiple R-squared: 0.4055, Adjusted R-squared: 0.4052

F-statistic: 1438 on 7 and 14764 DF, p-value: < 2.2e-16

> Model\_lm\_best=step(Model\_lm1)

Start: AIC=30649.62

month ~ count + year + day + hour + working\_day + weekend\_day +

public\_holiday

Df Sum of Sq RSS AIC

- hour 1 0 117507 30648

- count 1 1 117507 30648

- day 1 16 117523 30650

<none> 117507 30650

- public\_holiday 1 35 117542 30652

- weekend\_day 1 115 117622 30662

- working\_day 1 135 117642 30665

- year 1 79352 196859 38270

Step: AIC=30647.63

month ~ count + year + day + working\_day + weekend\_day + public\_holiday

Df Sum of Sq RSS AIC

- count 1 1 117507 30646

- day 1 16 117523 30648

<none> 117507 30648

- public\_holiday 1 35 117542 30650

- weekend\_day 1 115 117622 30660

- working\_day 1 135 117642 30663

- year 1 79408 196915 38272

Step: AIC=30645.7

month ~ year + day + working\_day + weekend\_day + public\_holiday

Df Sum of Sq RSS AIC

- day 1 16 117523 30646

<none> 117507 30646

- public\_holiday 1 35 117542 30648

- weekend\_day 1 115 117623 30658

- working\_day 1 135 117642 30661

- year 1 79504 197011 38277

Step: AIC=30645.65

month ~ year + working\_day + weekend\_day + public\_holiday

Df Sum of Sq RSS AIC

<none> 117523 30646

- public\_holiday 1 32 117555 30648

- weekend\_day 1 115 117638 30658

- working\_day 1 135 117658 30661

- year 1 79762 197285 38296

> summary(Model\_lm\_best)

Call:

lm(formula = month ~ year + working\_day + weekend\_day + public\_holiday,

data = a)

Residuals:

Min 1Q Median 3Q Max

-6.374 -1.852 0.247 1.984 5.247

Coefficients:

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

(Intercept) 7544.53311 75.28390 100.214 < 2e-16 \*\*\*

year -3.73661 0.03732 -100.111 < 2e-16 \*\*\*

working\_day -1.03927 0.25267 -4.113 3.92e-05 \*\*\*

weekend\_day -0.93995 0.24714 -3.803 0.000143 \*\*\*

public\_holiday -0.41821 0.20843 -2.006 0.044823 \*

---

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

Residual standard error: 2.821 on 14767 degrees of freedom

Multiple R-squared: 0.4054, Adjusted R-squared: 0.4052

F-statistic: 2517 on 4 and 14767 DF, p-value: < 2.2e-16

> plot(Model\_lm\_best,col=”blue”)

Error: unexpected input in "plot(Model\_lm\_best,col=�"

> plot(Model\_lm\_best,col="blue")

Hit <Return> to see next plot:

Hit <Return> to see next plot:

Hit <Return> to see next plot:

Hit <Return> to see next plot:

>

> Library(fmsb)

Error in Library(fmsb) : could not find function "Library"

> Model\_lm1=lm(month~ day+hour+working\_day,data=a)

> VIF(lm(working\_day ~ day+hour,data=a))

Error in VIF(lm(working\_day ~ day + hour, data = a)) :

could not find function "VIF"

> VIF(lm(working\_day ~ day+hour,data=a))

Error in VIF(lm(working\_day ~ day + hour, data = a)) :

could not find function "VIF"

> install.packages("fmsb")

Installing package into ‘/home/rstudio-user/R/x86\_64-pc-linux-gnu-library/3.6’

(as ‘lib’ is unspecified)

trying URL 'http://package-proxy/src/contrib/fmsb\_0.6.3.tar.gz'

Content type 'application/x-tar' length 306178 bytes (299 KB)

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downloaded 299 KB

\* installing \*binary\* package ‘fmsb’ ...

\* DONE (fmsb)

The downloaded source packages are in

‘/tmp/Rtmpeo2s6A/downloaded\_packages’

> VIF(lm(working\_day ~ day+hour,data=a))

Error in VIF(lm(working\_day ~ day + hour, data = a)) :

could not find function "VIF"

> VIF(lm(working\_day ~ day+hour,data=a))

Error in VIF(lm(working\_day ~ day + hour, data = a)) :

could not find function "VIF"

> hist(Model\_lm\_best$residuals)

> count=19

> year=2017

> month=6

> day=17

> hour=21

> working\_day=1

> weekend\_day=0

> darshan=data.frame(count,year,month,day,hour,working\_day,weekend\_day)

> p=predict(Model\_lm\_best,newdata = darshan)

> p=predict(Model\_lm\_best,newdata = dg)

> print(p)

1

6.33483

> brandnew=data.frame(count,year,day,hour,working\_day,weekend\_day,public\_holiday)

> newp=predict(Model\_lm\_best,brandnew)

> print p

Error: unexpected symbol in "print p"

> p

1

6.33483

> plot(Model\_lm\_best,col=”blue”)

Error: unexpected input in "plot(Model\_lm\_best,col=�"

> plot(Model\_lm\_best,col="blue")

Hit <Return> to see next plot:

Hit <Return> to see next plot:

Hit <Return> to see next plot:

Hit <Return> to see next plot: