

```
data(mtcars)
model <- lm(mpg ~ wt + hp, data = mtcars)
summary(model)
```

Call:  
lm(formula = mpg ~ wt + hp, data = mtcars)

Residuals:

Min	1Q	Median	3Q	Max
-3.941	-1.600	-0.182	1.050	5.854

Coefficients:

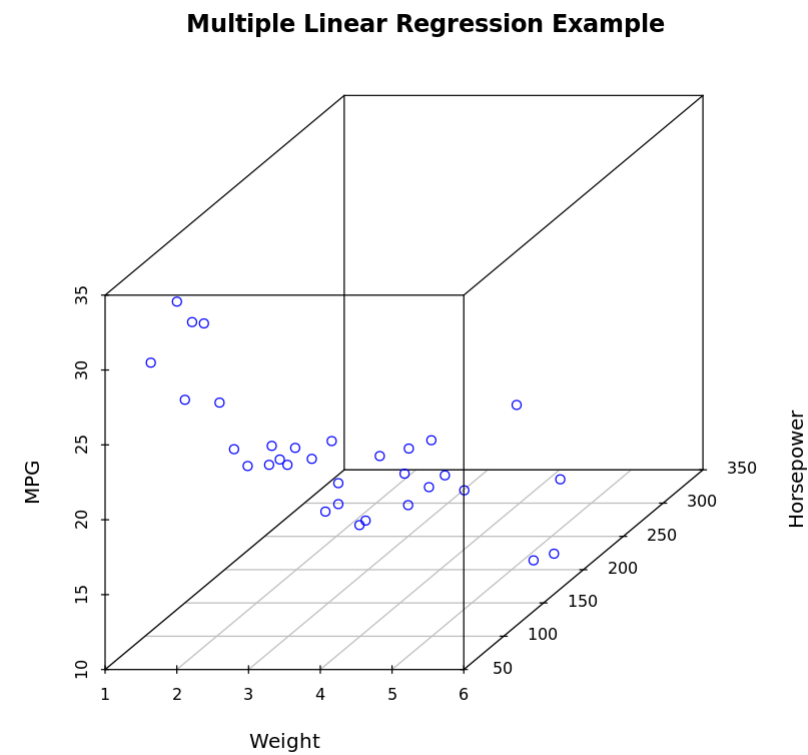
	Estimate	Std. Error	t value	Pr(> t )
(Intercept)	37.22727	1.59879	23.285	< 2e-16 ***
wt	-3.87783	0.63273	-6.129	1.12e-06 ***
hp	-0.03177	0.00903	-3.519	0.00145 **

---  
Signif. codes: 0 '\*\*\*' 0.001 '\*\*' 0.01 '\*' 0.05 '.' 0.1 ' ' 1

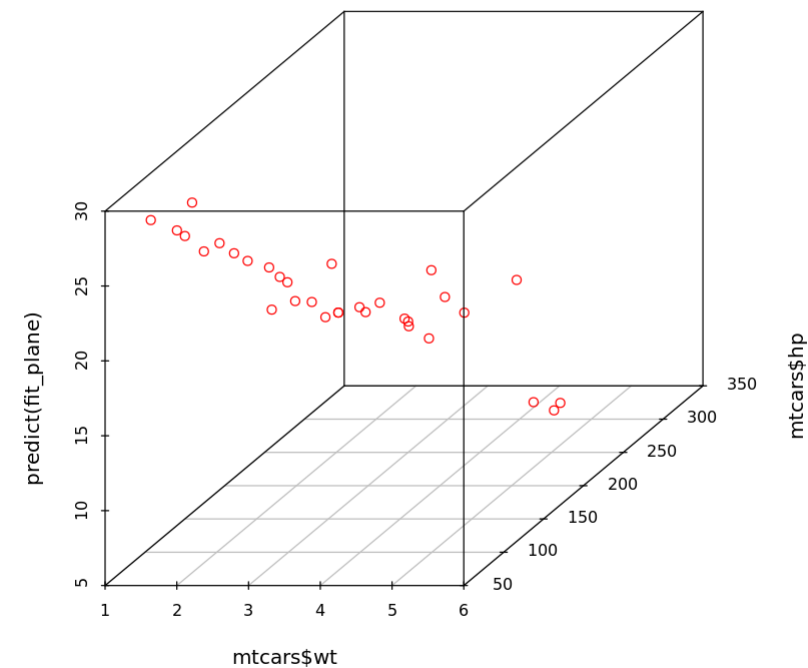
Residual standard error: 2.593 on 29 degrees of freedom  
Multiple R-squared: 0.8268, Adjusted R-squared: 0.8148  
F-statistic: 69.21 on 2 and 29 DF, p-value: 9.109e-12

```
install.packages("scatterplot3d")
library(scatterplot3d)
scatterplot3d(mtcars$wt, mtcars$hp, mtcars$mpg, main = "Multiple Linear Regression Example",
              xlab = "Weight", ylab = "Horsepower", zlab = "MPG", color = "blue")
fit_plane <- lm(mpg ~ wt + hp, data = mtcars)
scatterplot3d(mtcars$wt, mtcars$hp, predict(fit_plane), add = TRUE, color = "red")
```

[Download](#)



[Download](#)



Updating HTML index of packages in '.Library'

Making 'packages.html' ...  
done

Warning message in title(main, sub, ...):  
"add" is not a graphical parameter"  
Warning message in plot.xy(xy.coords(x, y), type = type, ...):  
"add" is not a graphical parameter"