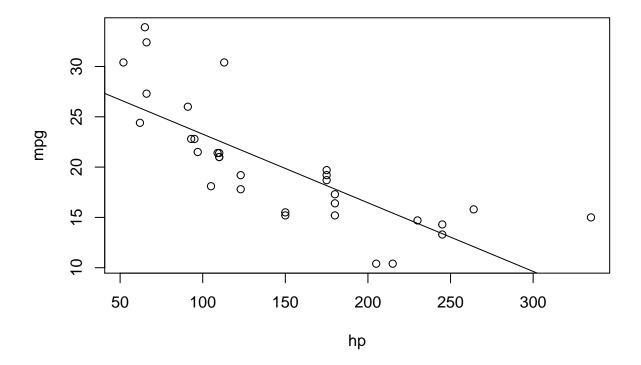
Example

$And rew\ Mullins$

November 2, 2015

Here is some cool R stuff:

```
mod1 <- lm(mpg~hp, data = mtcars)
with(mtcars, plot(mpg~hp))
abline(mod1)</pre>
```



summary(mod1)

```
##
## Call:
## lm(formula = mpg ~ hp, data = mtcars)
##
## Residuals:
## Min 1Q Median 3Q Max
## -5.7121 -2.1122 -0.8854 1.5819 8.2360
##
## Coefficients:
## Estimate Std. Error t value Pr(>|t|)
```

We can do equations too:

$$\sum_{i=1}^{k-1} a_{ij} a_{jk}$$

$$\frac{1}{\sigma \sqrt{2\pi}} e^{-\frac{(x-\mu)^2}{2\sigma^2}}$$

1 _(x