

cars

Chris Parrish

June 6, 2016

cars

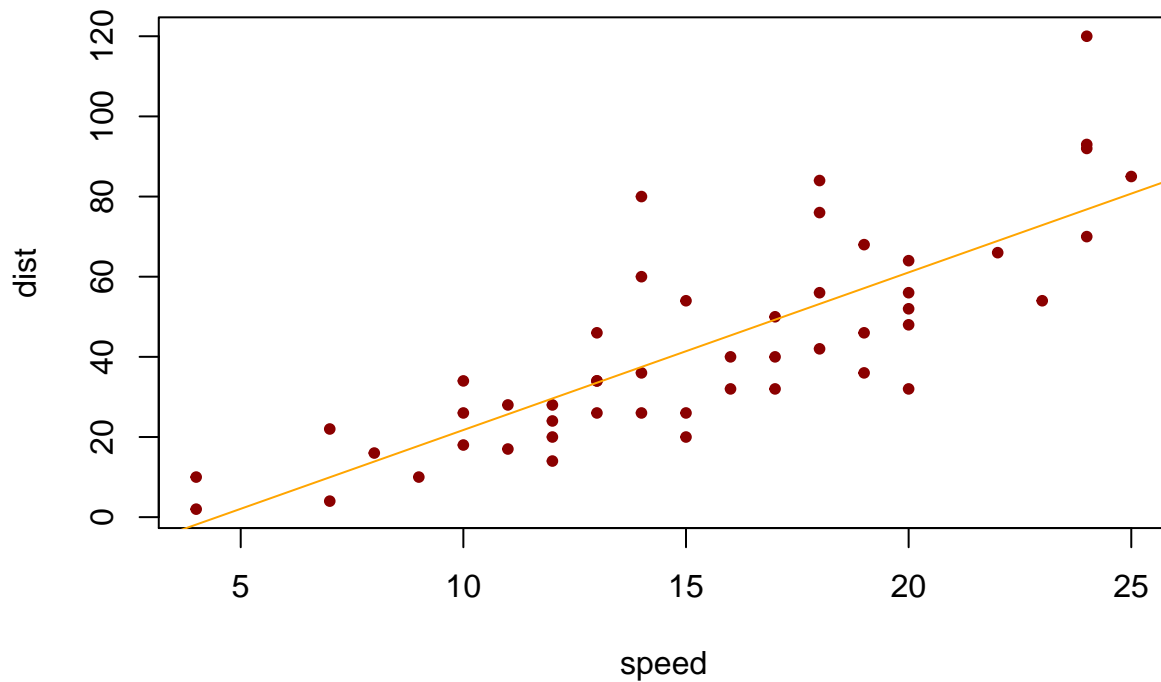
reference: Richard McElreath, Statistical Rethinking, p.xv

Load the data

```
data(cars)
```

Linear regression of distance on speed

```
plot(dist ~ speed, data=cars,  
      pch=20, col="darkred")  
m <- lm(dist ~ speed, data=cars)  
abline(m, col="orange")
```



Estimated coefficients

```
coef(m)
```

```
## (Intercept)      speed  
## -17.579095    3.932409
```

Plot residuals against speed

```
plot(resid(m) ~ speed, data=cars,  
      pch=20, col="darkred")  
abline(h=0, col="orange")
```

