

Untitled

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Thursday, June 04, 2015

R Markdown

This is an R Markdown presentation. Markdown is a simple formatting syntax for authoring HTML, PDF, and MS Word documents. For more details on using R Markdown see <http://rmarkdown.rstudio.com>.

When you click the **Knit** button a document will be generated that includes both content as well as the output of any embedded R code chunks within the document.

Slide with Bullets

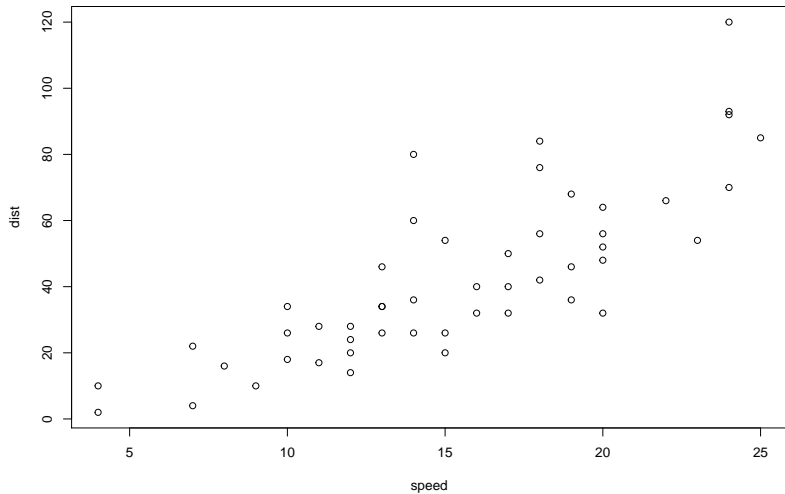
- ▶ Bullet 1
- ▶ Bullet 2
- ▶ Bullet 3

Slide with R Code and Output

```
summary(cars)
```

| ## | speed | dist |
|----|--------------|----------------|
| ## | Min. : 4.0 | Min. : 2.00 |
| ## | 1st Qu.:12.0 | 1st Qu.: 26.00 |
| ## | Median :15.0 | Median : 36.00 |
| ## | Mean :15.4 | Mean : 42.98 |
| ## | 3rd Qu.:19.0 | 3rd Qu.: 56.00 |
| ## | Max. :25.0 | Max. :120.00 |

Slide with Plot



Slide with a model

```
Bloodloss<-read.csv("Bloodloss.csv", header=T)
model1<-lm(Bloodloss$bloodloss ~ Bloodloss$worm)
sumry <- summary.lm(model1)
sumry
```

```
##
```

```
## Call:
```

```
## lm(formula = Bloodloss$bloodloss ~ Bloodloss$worm)
```

```
##
```

```
## Residuals:
```

```
##      Min       1Q   Median       3Q      Max
```

```
## -15.846 -10.812   0.750   4.356  34.390
```

```
##
```

```
## Coefficients:
```

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

```
## (Intercept)    10.847328     5.308569   2.043   0.0618 .
```

```
## Bloodloss$worm  0.040922     0.007147   5.725 6.99e-05 ***
```

```
## ---
```

Slide using model outputs

The r^2 value is 0.7160339

Slide with the formula

$$P(NT|S_x) = \frac{P(NT|S)P(NT)}{P(S)} = \frac{P(S|NT)P(NT)}{P(S|NT)P(NT) + P(S|ET)P(ET)}$$

$$P(NT|S_x) = \frac{0.9 * 0.5}{(0.9 * 0.5) + (0.7 * 0.5)} = \frac{0.45}{0.8} = 0.5625$$

Slide with the formula

Table 1

| id | worm | bloodloss |
|----|------|-----------|
| 1 | 32 | 6.97 |
| 2 | 89 | 17.00 |
| 3 | 92 | 18.34 |
| 4 | 114 | 31.24 |
| 5 | 220 | 5.03 |
| 6 | 228 | 11.04 |