

UN COURS INTÉRESSANT

ET DIDACTIQUE !

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ALEXANDRIA DEPARTMENT

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1 In the morning

2 In the evening

3 References

1

IN THE MORNING

- Turn off alarm
- Get out of bed



- Eat eggs
- Drink coffee

First Euler observed that

$$1 + e^{i\pi} = 0.$$

Then, Gauss discovered the normal distribution:

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

Finally, Einstein proclaimed:

$$E = mC^2$$

At the end, Ioannidis concluded that most published research findings are false (see Ioannidis 2005)

```
summary(cars)
```

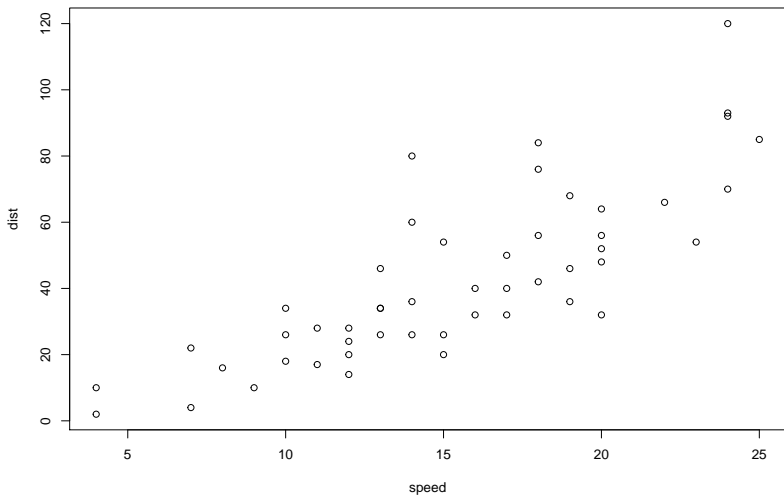
```
##      speed      dist
##  Min.   : 4.0    Min.   :  2.00
## 1st Qu.:12.0    1st Qu.: 26.00
## Median :15.0    Median : 36.00
## Mean   :15.4    Mean   : 42.98
## 3rd Qu.:19.0    3rd Qu.: 56.00
## Max.   :25.0    Max.   :120.00
```

```
summary(cars)
```

```
##           speed           dist
##  Min.      : 4.0      Min.      : 2.00
## 1st Qu.:12.0      1st Qu.: 26.00
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## Mean    :15.4      Mean     : 42.98
## 3rd Qu.:19.0      3rd Qu.: 56.00
## Max.    :25.0      Max.     :120.00
```



```
plot(cars)
```



2

IN THE EVENING

Dinner

Going to sleep

2

IN THE EVENING

Dinner

Going to sleep

- Eat spaghetti
- Drink wine

2

IN THE EVENING

Dinner

Going to sleep

- Get in bed
- Count sheep

And now...

Good night!

3

REFERENCES

Ioannidis, John P. A. 2005. "Why Most Published Research Findings Are False."
PLOS Medicine 2 (8): e124. <https://doi.org/10.1371/journal.pmed.0020124>.

THANKS FOR WATCHING!

