

# 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)
```

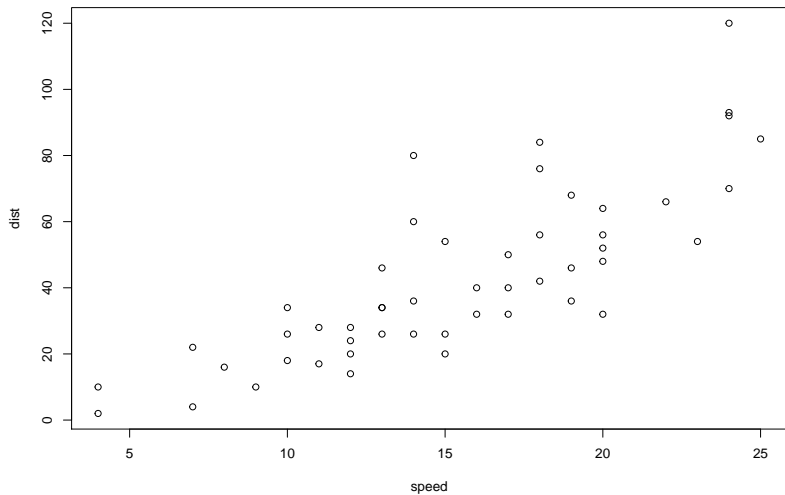
```
##           speed           dist
##  Min.      : 4.0      Min.      : 2.00
##  1st Qu.:12.0      1st Qu.: 26.00
##  Median :15.0      Median : 36.00
##  Mean   :15.4      Mean      : 42.98
##  3rd Qu.:19.0      3rd Qu.: 56.00
##  Max.    :25.0      Max.      :120.00
```

```
summary(cars)
```

```
##           speed           dist
##  Min.      : 4.0      Min.      :  2.00
##  1st Qu.:12.0      1st Qu.: 26.00
##  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
```



```
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!

