

## Exer 3.6

[Computation/variability/variability110]

Using Galton's height data (`galton.csv`), compute the answers to these questions about outliers using the 1.5 IQR rule of thumb and the `outlier` function.

1. Which of these statements will compute the number of cases that are outliers with respect to height? (Assume that the data frame is named `galton`.)

- A `outlier(galton$height)`
- B `table(outlier(galton$height))`
- C `outlier(table(galton$height))`
- D `subset(galton, outlier(galton$height))`
- E `outlier(subset(galton, galton$height))`

Exer 3.6-1

2. How many of the cases are outliers in height ?

0 1 2 3 5 10 15 20 Exer 3.6-2

3. How many of the cases are outliers in mother?

0 11 22 33 44 55 66 Exer 3.6-3

4. How many of the cases are outliers in father? 0 4 9 14 19 24 29 Exer 3.6-4

5. Looking just at the cases where mother is an outlier, how many of the children involved (variable `sex`) are female?

0 5 10 15 20 25 30 35 Exer 3.6-5