**Vector selection: the good times**

Your hunch seemed to be right. It appears that the poker game is more your cup of tea than roulette.

Another possible route for investigation is your performance at the beginning of the working week compared to the end of it. You did have a couple of Margarita cocktails at the end of the week...

To answer that question, you only want to focus on a selection of the total\_vector. In other words, our goal is to select specific elements of the vector. To select elements of a vector (and later matrices, data frames, ...), you can use square brackets. Between the square brackets, you indicate what elements to select. For example, to select the first element of the vector, you type **poker\_vector[1].** To select the second element of the vector, you type**poker\_vector[2],** etc. Notice that the first element in a vector has index 1, not 0 as in many other programming languages.

**Vector selection: the good times (2)**

How about analyzing your midweek results?

To select multiple elements from a vector, you can add square brackets at the end of it. You can indicate between the brackets what elements should be selected. For example: suppose you want to select the first and the fifth day of the week: use the vector c(1, 5) between the square brackets. For example, the code below selects the first and fifth element of poker\_vector:

poker\_vector[c(1, 5)]

# Vector selection: the good times (3)

Selecting multiple elements of poker\_vector with c(2, 3, 4) is not very convenient. Many statisticians are lazy people by nature, so they created an easier way to do this: c(2, 3, 4) can be abbreviated to2:4, which generates a vector with all natural numbers from 2 up to 4.

So, another way to find the mid-week results is poker\_vector[2:4]. Notice how the vector 2:4 is placed between the square brackets to select element 2 up to 4.

# Vector selection: the good times (4)

Another way to tackle the previous exercise is by using the names of the vector elements (Monday, Tuesday, ...) instead of their numeric positions. For example,

poker\_vector["Monday"]

will select the first element of poker\_vector since "Monday" is the name of that first element.

Just like you did in the previous exercise with numerics, you can also use the element names to select multiple elements, for example:

poker\_vector[c("Monday","Tuesday")]