

## Examples Excel: Statistical functions

1. Consider the sheet **[06-FE.xlsx | Exmp01]**
  - 1.1. Complete the columns “1º Teste”, “2º Teste” and “Trabalho” (“1<sup>st</sup> Test”, “2<sup>nd</sup> Test” and “Project”) with numbers with two decimal places randomly obtained between 0 and 20.
  - 1.2. Complete the column “nota final” (final grade) knowing that the weights of each element are the following:
    - 1º Teste: 40 %
    - 2º Teste: 40 %
    - Trabalho: 20 %
    - The final grade must be rounded to an integer value (0 decimal places)
  - 1.3. Determine for the set of final grades obtained the following statistics:
    - Average (cell I3)
    - Moda (cell I4)
    - Standard deviation (cell I5)
    - Best grade (cell I6)
    - Worst grade (cell I7)
    - Number of students (cell I8)
    - Number of positive grades (cell I9)
    - Number of negative grades (cell I10)
2. Consider the sheet **[06-FE.xlsx | Exmp02]**
  - 2.1. Construct a detailed frequency map (with all possible values) of the occurrences of “não conforme” products.
  - 2.2. Construct a frequency map with the distribution of the values on the following ranges:
    - [0;2];
    - ]2;5];
    - ]5;8];
    - ]8;10]