Quantitative methods is an interactive tutorial given to students as a part of the MBA pre-program. It enables them to begin the master program with a minimum level of knowledge about this topic.

This interactive tutorial includes the following sections:

- Numerical calculus
- Introduction to statistics
- Measures of statistics
- Probability
- Probability distributions
- Inferential statistics
- Relationship between variables
- Case
It has many examples, tests and exercises with feedback so that students can reinforce their knowledge. At the end, a practical case gives them the opportunity to apply the subjects learnt.

This tutorial teaches students how to quickly do numerical calculus used in the MBA program.

The normal distribution

This is the most widely-used probability distribution in statistics. As it is continuous it takes values from $-\infty$ to $+\infty$ and if we display its density function we get the following graph.

If we look at it we see that it is symmetrical and therefore there is a midpoint which divides it into two equal parts, each having an area of 0.5. This midpoint is determined by the mean.

Any normal distribution is determined by its mean ($\mu$) and its standard deviation ($\sigma$).
The explanations are supported by graphs and very detailed calculations.