

Introductory course on Statistics for Water Management

Statistics play an important role in water management. Consider, for example, determining normative rain showers, river discharges or water levels, estimating risks and linking conclusions to the results of a measurement campaign. Incorrect application of statistics may lead to incorrect conclusions. This course aims to contribute to the correct application of statistical principles.

Statistics for Water Management

This one-day course focusses on a number of frequently used statistical techniques in water management. What assumptions do you make and how do you work towards the solution? We use examples directly from the professional practice of water management. You will also work with common 'tools' such as Excel.

Target Audience

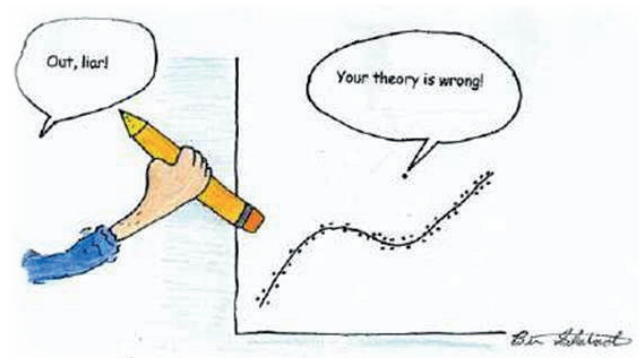
The course is designed for professionals (at water boards, consultancies, universities, knowledge institutes, etc.) who deal with quantitative analyzes in which daily statistics play a role. There are no strict requirements regarding required prior education; the course is at hbo / wo level.

The course will be given in English. Note that there is also a Dutch version. The complete range of courses offered by Deltares can be found at www.deltares.nl/academy.

Date	16 and 20 November 2020
Location	Online Course
Admission Requirements	No formal requirement. The course is at HBO / WO level.
Course leaders	dr.ir. F.L.M. (Ferdinand) Diermanse dr.ir. A.A. (Arjen) Markus MSc. M. (Marjanne) Zander
Costs	€ 565 excl. btw (lunch inbegrepen)

Programme

- Introduction: uncertainty, opportunities, statistics and risk
- Descriptive statistics
- Extreme value statistics
- Time series extrapolation (statistical forecasting)
- Error propagation
- Testing hypotheses
- Uncertainty estimates using Monte Carlo



Registration

If you want to participate in this course you can register via <https://www.deltares.nl/en/academy-courses/>