

Industrial Statistics – Basics

Modules

Module 1: Basics of Statistical Analysis

Module 2: Explorative Data Analysis – from data to model

Module 3: Introduction to Design of Experiments

Module 4: Introduction to Statistical Quality and Process Control

Module 5: Introduction to Reliability Analysis

Contents

- Population and sample
- Statistical measures
- Data visualisation
- Introduction to R
- Basics of design and analysis of experiments
- Process control charts, sample plans and process capability indices
- Lifetime analysis and Weibull distribution
- Failure rate analysis and Poisson process

Practical requirements

You work in product development, production or after sales and want to...

- get an overview of effective applications of statistics in your area
- increase your statistical knowledge gained in the past
- use statistical methods systematically for problem solving

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