

## **METADATA**

Title: Experimental Designs in the Agricultural Sciences

Other Titles: Applications in R

Language: Greek

Authors: Katsileros, A., Laboratory and Teaching staff, AUA

ISBN: 978-618-5667-88-7

**Subject:** MATHEMATICS AND COMPUTER SCIENCE, NATURAL SCIENCES AND AGRICULTURAL SCIENCES, MEDICINE AND HEALTH SCIENCES, LIFE SCIENCES,

**BIOLOGICAL SCIENCES** 

**Keywords:** Agronomy Trials / Experimental Designs / Factorial Experiments / Data Analysis / Sources of Variation

**Bibliographic Reference:** Katsileros, A. (2022). Experimental Designs in the Agricultural Sciences [Undergraduate textbook]. Kallipos, Open Academic Editions. http://dx.doi.org/10.57713/kallipos-140

## Abstract

The purpose of the textbook, which aims at undergraduate and postgraduate students from the field of applied sciences, is to present and explain in a simple and comprehensible way the basic statistical concepts, and especially, the principles and methods of scientific research required for the design and conduct

of experiments, the presentation and analysis of experimental data and the interpretation of results. This textbook covers the basic theory and emphasizes the visualization and statistical analysis of data from the main experimental designs, applied to the agricultural sciences using the R programming language.









