



DOWNLOAD



Between Certainty and Uncertainty: Statistics and Probability in Five Units with Notes on Historical Origins and Illustrative Numerical Examples

By Ludomir M. Laudanski

Springer. Hardcover. Book Condition: New. Hardcover. 215 pages. Dimensions: 9.2in. x 5.6in. x 1.1in. Between Certainty and Uncertainty is a one-of-a-kind short course on statistics for students, engineers and researchers. It is a fascinating introduction to statistics and probability with notes on historical origins and 80 illustrative numerical examples organized in the five units: Chapter 1 Descriptive Statistics: Compressing small samples, basic averages - mean and variance, their main properties including Gauss' proof; linear transformations and z-scored statistics. Chapter 2 Grouped data: Udney Yule's concept of qualitative and quantitative variables. Grouping these two kinds of data. Graphical tools. Combinatorial rules and qualitative variables. Designing frequency histogram. Direct and coded evaluation of quantitative data. Significance of percentiles. Chapter 3 Regression and correlation: Geometrical distance and equivalent distances in two orthogonal directions as a prerequisite to the concept of two regression lines. Misleading in interpreting two regression lines. Derivation of the two regression lines. Was Hubble right? Hubble's cloud. What in fact measures the correlation coefficient. Chapter 4 Binomial distribution: Middle ages origins of the binomials; figurate numbers and combinatorial rules. Pascal's Arithmetical Triangle. Bernoulli's or Poisson Trials. John Arbuthnot curing

Reviews

Excellent e-book and useful one. It is written in straightforward phrases rather than confusing. I am just very happy to explain how here is the finest publication I have got read through in my very own lifestyle and might be the greatest book for possibly.

-- **Viva Schuster**

If you need to add benefit, a must buy book. It really is written in straightforward words and phrases and not confusing. You will not feel monotony at anytime of your respective time (that's what catalogues are for concerning if you ask me).

-- **Dr. Celestino Treutel**