



The Mahalanobis-Taguchi System

This book describes a new methodology for pattern recognition and forecasting as developed by Genichi Taguchi. It gives a brief introduction to the Mahalanobis-Taguchi system (MTS) through an introductory chapter and detailed case study.

The MTS system combines a statistical tool called Mahalanobis Distance with Taguchi methods of signal-to-noise (SN) ratio. The MTS method is used to recognize a pattern from multidimensional data, then evaluate accuracy and optimize key factors using the SN ratio.

The statistical methods and analysis provided are complex and would require a strong background in statistics to understand and apply. The case studies present a broad spectrum of application. They provide basic information but are not detailed enough that results could be reproduced easily.

The authors say this is the first book in any language that introduces the MTS methodology. Therefore, any detailed information on application or best practices would have to come from this book or from the authors themselves.

As an introductory text to the MTS system, the book accomplishes its purpose. I would recommend it to anyone interested in improving results in the areas of pattern recognition and forecasting.