

Preface

Applications of Soft Computing in Time Series Forecasting: Simulation and Modeling Techniques is written primarily for researchers in business, government, and research organizations. There are several excellent books in time series forecasting, written from very elementary to advance levels. The writers of these books have their intended audiences. This book is different from those in that it deals with practical applications of soft computing techniques (especially fuzzy sets, artificial neural network, and evolutionary computing) in time series forecasting. This book generally discusses basic theory of these techniques and their applications with various examples without complicated mathematics.

In this book, I analyze significant problems of time series forecasting in depth, starting with model formulation, architecture, basic steps, empirical analyzes, and performance measures in terms of statistical parameters to see how well the proposed models performs.

The present book has been accomplished at the Tezpur University (Tezpur, India) and Thapar University (Patiala, India). Valuable suggestions and comments were provided by Dr. B. Borah, Department of Computer Science and Engineering, Tezpur University.

All experiments were conducted at the Department of Computer Science and Engineering, School of Engineering, Tezpur University. The empirical results presented in the book were published by esteemed journals.

Patiala
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