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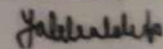
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### About the Author



Dr. Neeta Kishor Dhane

Dr. Neeta Kishor Dhane is Assistant Professor of Statistics in Anekant Education Society's, Tuljaram Chaturchand College of Arts, Science and Commerce College, Baramati, (MS) India, affiliated to Savitribai Phule Pune University, Pune. Her total teaching experience is more than 17 years. She is M.Sc. and Ph.D. in Statistics. She has qualified NET. Her areas of interest are Inference, Statistical Quality Control and Data Mining. She has participated in various workshops and FDPs and presented several papers in Seminars, Conferences at National and International levels. She has published more than 10 research papers in reputed Journals. She has completed one Minor Research Project under UGC scheme and one Minor Research Project under BCIUD scheme. She is presently holding the responsibility as member of BoS in Statistics at the same college.

The book addresses the problem related to fitting regression models which should follow partitioning of the data-space using some clustering (that is, an unsupervised) algorithm in order to obtain internally homogeneous subsamples, so that regression models will fit better to every subsample. It is also proposed, and illustrated, in the book to use a piecewise linear regression model in order to reduce the error sum of squares (SSE). The book makes a comprehensive literature survey on predictive methodology. It describes the theory with a certain clarity that is achieved only with a thorough understanding of the reasoning and justification behind the theory. It also uses illustrative examples that will help the reader to understand not only the theory, but also the operational methodology involved in these procedures. Overall, the book makes an honest and sincere attempt to compare four predictive methodologies that are popular and common, and hence must be understood clearly so that the most appropriate one can be chosen when faced with a real-life problem.

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