

Part I

Techniques for Outlier Detection

The emphasis here is on exploring the practical significance of the outlier detection problem in real life applications and understanding the intricacies involved in dealing with this problem. Accordingly, initial chapters deliberate on various research issues associated with outlier detection along with a review of the current literature available in this regard.

In subsequent chapters, some of the key research issues are dealt with presenting various techniques developed addressing these issues. Each chapter presents the theoretical background related to the specific issue being addressed, followed by the description of a few prominent algorithms developed in this regard. Empirical study of these algorithms using benchmark data sets is also furnished towards the end of every chapter to provide a deeper understanding of the outlier discovery process involved.