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| 1. Record Nr. | UNINA9910800115603321 |
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| Titolo | Statistics and Data Analysis for Engineers and Scientists / / by Tanvir Mustafy, Md. Tauhid Ur Rahman |
| Pubbl/distr/stampa | Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2024 |
| ISBN | 981-9946-61-1 |
| Edizione | [1st ed. 2024.] |
| Descrizione fisica | 1 online resource (190 pages) |
| Collana | Transactions on Computer Systems and Networks, , 2730-7492 |
| Disciplina | 501.519282 |
| Soggetti | Computational intelligence Quantitative research Mathematical statistics - Data processing Engineering - Data processing Computational Intelligence Data Analysis and Big Data Statistics and Computing Data Engineering |
| Lingua di pubblicazione | Inglese |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |
| Nota di bibliografia | Includes bibliographical references. |
| Nota di contenuto | General Overview -- Introduction to MATLAB -- The Fundamentals of Microsoft Excel -- Introduction to SPSS. |
| Sommario/riassunto | This textbook summarizes the different statistical, scientific, and financial data analysis methods for users ranging from a high school level to a professional level. It aims to combine the data analysis methods using three different programs—Microsoft Excel, SPSS, and MATLAB. The book combining the different data analysis tools is a unique approach. The book presents a variety of real-life problems in data analysis and machine learning, delivering the best solution. Analysis methods presented in this book include but are not limited to, performing various algebraic and trigonometric operations, regression modeling, and correlation, as well as plotting graphs and charts to represent the results. Fundamental concepts of applied statistics are also explained here, with illustrative examples. Thus, this book presents a pioneering solution to help a wide range of students, researchers, and professionals learn data processing, interpret different |

findings derived from the analyses, and apply them to their research or professional fields. The book also includes worked examples of practical problems. The primary focus behind designing these examples is understanding the concepts of data analysis and how it can solve problems. The chapters include practice exercises to assist users in enhancing their skills to execute statistical analysis calculations using software instead of relying on tables for probabilities and percentiles in the present world. .
