

Data Analytics: Models and Algorithms for Intelligent Data Analysis

By Thomas A. Runkler

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This book is a comprehensive introduction to the methods and algorithms and approaches of modern data analytics. It covers data preprocessing, visualization, correlation, regression, forecasting, classification, and clustering. It provides a sound mathematical basis, discusses advantages and drawbacks of different approaches, and enables the reader to design and implement data analytics solutions for real-world applications. The text is designed for undergraduate and graduate courses on data analytics for engineering, computer science, and math students. It is also suitable for practitioners working on data analytics projects. This book has been used for more than ten years in numerous courses at the Technical University of Munich, Germany, in short courses at several other universities, and in tutorials at scientific conferences. Much of the content is based on the results of industrial research and development projects at Siemens.

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Content

Data Analytics - Data and Relations - Data Preprocessing - Data Visualization - Correlation - Regression - Forecasting - Classification - Clustering

Target Groups

Students of data analytics for engineering, computer science and math

Practitioners working on data analytics projects

The Author

Thomas Runkler is doing research at Siemens Corporate Technology in Munich and teaching data analytics and machine learning at the Technical University of Munich.

About the Author
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Verna Smith:

This Data Analytics: Models and Algorithms for Intelligent Data Analysis is great book for you because the content which can be full of information for you who always deal with world and still have to make decision every minute. This particular book reveal it information accurately using great manage word or we can point out no rambling sentences included. So if you are read the item hurriedly you can have whole data in it. Doesn't mean it only gives you straight forward sentences but tough core information with beautiful delivering sentences. Having Data Analytics: Models and Algorithms for Intelligent Data Analysis in your hand like having the world in your arm, details in it is not ridiculous one particular. We can say that no publication that offer you world with ten or fifteen tiny right but this reserve already do that. So , this can be good reading book. Hello Mr. and Mrs. busy do you still doubt in which?

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