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   Titolo   Advanced Data Analytics Using Python : With Machine Learning, Deep
                       Learning and NLP Examples / / by Sayan Mukhopadhyay

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   ISBN   9781484234501
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   Edizione   [1st ed. 2018.]

   Descrizione fisica   1 online resource (195 pages)

   Disciplina   005.133

   Soggetti   Python (Computer program language)
                       Big data
                       Open source software
                       Computer programming
                       Python
                       Big Data
                       Open Source

   Lingua di pubblicazione   Inglese

   Formato   Materiale a stampa

   Livello bibliografico   Monografia

   Note generali   Includes index.

   Nota di contenuto   Chapter 1: Introduction -- Chapter 2: ETL with Python -- Chapter 3:
                       Supervised Learning with Python -- Chapter 4: Unsupervised Learning
                       with Python -- Chapter 5: Deep Learning & Neural Networks -- Chapter
                       6: Time Series Analysis -- Chapter 7: Python in Emerging Technologies.

   Sommario/riassunto   Gain a broad foundation of advanced data analytics concepts and
                       discover the recent revolution in databases such as Neo4j,
                       Elasticsearch, and MongoDB. This book discusses how to implement
                       ETL techniques including topical crawling, which is applied in domains
                       such as high-frequency algorithmic trading and goal-oriented dialog
                       systems. You'll also see examples of machine learning concepts such
                       as semi-supervised learning, deep learning, and NLP. Advanced Data
                       Analytics Using Python also covers important traditional data analysis
                       techniques such as time series and principal component analysis. After
                       reading this book you will have experience of every technical aspect of
                       an analytics project. You'll get to know the concepts using Python code,
                       giving you samples to use in your own projects. You will: Work with

data analysis techniques such as classification, clustering, regression, and forecasting Handle structured and unstructured data, ETL techniques, and different kinds of databases such as Neo4j, Elasticsearch, MongoDB, and MySQL Examine the different big data frameworks, including Hadoop and Spark Discover advanced machine learning concepts such as semi-supervised learning, deep learning, and NLP.