

Bookmark File
PDF Social Media
Mining An
Introduction
Mining An
Introduction
Chgcam

Introduction
to Algorithms
for Data
Mining and
Machine

Bookmark File
PDF Social Media
Mining An
Learning
Introduction
Chqcam
introduces the
essential
ideas behind
all key
algorithms and
techniques for
data mining
and machine
learning,
along with
optimization

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PDF Social Media

Minig An
Introduction
Choccam
techniques.

Its strong
formal

mathematical
approach, well
selected
examples, and
practical
software recom
mendations
help readers
develop

Bookmark File PDF Social Media

Mining An
Introduction
Choccam

confidence in
their data
modeling
skills so they
can process
and interpret
data for class
ification,
clustering,
curve-fitting
and
predictions.

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Masterfully
balancing
theory and
practice, it
is especially
useful for
those who need
relevant, well
explained, but
not rigorous
(proofs based)
background

Bookmark File
PDF Social Media
Mining An
theory and
Introduction
clear
Choccam
guidelines for
working with
big data.
Presents an
informal,
theorem-free
approach with
concise,
compact
coverage of

Bookmark File
PDF Social Media
Mining An
all
Introduction
fundamental
Choccam
topics

Includes
worked
examples that
help users
increase
confidence in
their
understanding
of key

Bookmark File PDF Social Media

Mining An
Introduction
Choccam

algorithms,
thus
encouraging
self-study
Provides
algorithms and
techniques
that can be
implemented in
any
programming
language, with

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Mining An
Introduction
Chqcam

each chapter
including
notes about
relevant
software
packages
"This book
covers current
research
trends in the
area of social
networks

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Mining An
Introduction
Choccam

analysis and
mining,
sharing
research from
experts in the
social network
analysis and
mining
communities,
as well as
practitioners
from social

Bookmark File
PDF Social Media
Mining An
science,
Introduction
business, and
Choccam
computer scien
ce"--Provided
by publisher.
Data Mining
for Design and
Manufacturing:
Methods and
Applications
is the first
book that

Bookmark File
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Mining An
brings
Introduction
together
Choccam

research and
applications
for data
mining within
design and
manufacturing.
The aim of the
book is 1) to
clarify the
integration of

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Mining An

data mining in
Introduction
engineering

Choccam

design and

manufacturing,

2) to present

a wide range

of domains to

which data

mining can be

applied, 3) to

demonstrate

the essential

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Mining An
Introduction
Chgcam

need for
symbiotic
collaboration
of expertise
in design and
manufacturing,
data mining,
and
information
technology,
and 4) to
illustrate how

Bookmark File

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Mining An
Introduction
Chqcam

to overcome
central
problems in
design and
manufacturing
environments.
The book also
presents
formal tools
required to
extract
valuable

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Mining An
Introduction
Chqcam
information
from design
and

manufacturing
data, and
facilitates in
terdisciplinary
y problem
solving for
enhanced
decision
making.

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Mining An
Introduction
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Audience: The book is aimed at both academic and practising audiences. It can serve as a reference or textbook for senior or graduate level students in

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Mining An
Introduction
Choccam

Engineering,
Computer, and
Management

Sciences who
are interested
in data mining
technologies.
The book will
be useful for
practitioners
interested in
utilizing data

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Mining An
Introduction
Choccam
mining
techniques in
design and
manufacturing
as well as for
computer
software
developers
engaged in
developing
data mining
tools.

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Managing and
Introduction
Mining
Choccam
Uncertain

Data, a survey
with chapters
by a variety
of well known
researchers in
the data
mining field,
presents the
most recent

Bookmark File
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Mining An
Introduction
Choccam
models,
algorithms,
and

applications
in the
uncertain data
mining field
in a
structured and
concise way.
This book is
organized to

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Mining An
Introduction
Choccam
make it more
accessible to
applications-
driven

practitioners
for solving
real problems.

Also, given
the lack of
structurally
organized
information on

Bookmark File PDF Social Media

Mining An
Introduction
Choccam
this topic,
Managing and
Mining

Uncertain Data
provides
insights which
are not easily
accessible
elsewhere.

Managing and
Mining
Uncertain Data

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Mining An
Introduction
Choccam

is designed
for a
professional
audience
composed of
researchers
and
practitioners
in industry.
This book is
also suitable
as a reference

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book for
Introduction
Choccam
advanced-level
students in
computer
science and
engineering,
as well as the
ACM, IEEE,
SIAM, INFORMS
and AAAI
Society
groups.

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Mining An
With
Introduction
Choccam
continuous
advancements
and an
increase in
user
popularity,
data mining
technologies
serve as an
invaluable
resource for

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Mining An
Introduction
Choccam
researchers
across a wide
range of
disciplines in
the humanities
and social
sciences. In
this
comprehensive
guide, author
and research
scientist

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Mining An
Introduction
Choccam

Kalev Leetaru
introduces the
approaches,
strategies,
and
methodologies
of current
data mining
techniques,
offering
insights for
new and

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Mining An
Introduction
Chqcam

experienced
users alike.
Designed as an
instructive
reference to
computer-based
analysis
approaches,
each chapter
of this
resource
explains a set

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Mining An
Introduction
Chqcam

of core
concepts and
analytical
data mining
strategies,
along with
detailed
examples and
steps relating
to current
data mining
practices.

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Every
Introduction
Choccam

technique is
considered
with regard to
context,
theory of
operation and
methodological
concerns, and
focuses on the
capabilities
and strengths

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Introduction
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relating to
these
technologies.
In addressing
critical
methodologies
and approaches
to automated
analytical
techniques,
this work
provides an

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Mining An
essential
Introduction
Choccam
overview to a
broad

innovative
field.

Social Media
Mining

Tools,
Perspectives
and
Applications

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Mining An
Introduction
Choccam
Emerging
Research
Social Network
Data Analytics
Community
Detection and
Mining in
Social Media
Now in its second
edition, this book
focuses on practical
algorithms for

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Mining An
Introduction
Choccam
mining data from
even the largest
datasets.

If you 're interested
in using social
media as an

investigative tool,
Introduction to

Social Media

Investigation will
show you how!

Social networks and
social media, like

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Mining An
Introduction
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Facebook, Twitter, and Foursquare, are some of the most popular services on the Web, with hundreds of millions of users. The public information that people share on these sites can be valuable for anyone interested in investigating people

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Mining An
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of interest through
open, public
sources. Social
media as an
investigative device
is in its infancy and
not well understood.
This book presents
an overview of
social media and
discusses special
skills and
techniques to use

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Mining An

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when conducting investigations. The

book features hands-on tutorials and case studies and offers additional data-gathering techniques.

Presents an overview of social media sites, information types, privacy policies, and

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Mining An

other general issues
relevant to

Introduction

Choccam
investigating

individuals online

Discusses the

special skills and

techniques needed

when conducting

investigations using

social media

Includes hands-on

tutorials and case

studies using

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Mining An
Facebook, LinkedIn,
Introduction
Twitter, and other
Chegg.com
social media sites
using proven
investigative
techniques Shows
how to gather
additional data
using advanced
techniques such as
crowdsourcing, data
mining, and network
analysis

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The growth of social media over the last decade has revolutionized the way individuals interact and industries conduct business.

Individuals produce data at an unprecedented rate by interacting, sharing, and

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Mining An
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consuming content
through social
media.

Understanding and
processing this new
type of data to glean
actionable patterns
presents challenges
and opportunities for
interdisciplinary
research, novel
algorithms and tool
development. Social

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Mining An Introduction Choccam

Media Mining integrates social media, social network analysis, and data mining to provide a coherent platform to understand the basics and potentials of social media mining. It introduces the unique problems

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Mining An
Introduction
Choccam

arising from social
media data and
presents
fundamental
concepts, emerging
issues, and effective
algorithms for
network analysis
and data mining.
Suitable for use in
advanced
undergraduate and
beginning graduate

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courses as well as professional short courses, the text contains exercises of different degrees of difficulty that improve understanding and help apply concepts, principles and methods for social media mining.

Data Mining:
Page 45/265

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Mining An
Introduction
Choccam

Concepts and
Techniques
provides the

concepts and
techniques in
processing gathered
data or information,
which will be used in
various applications.
Specifically, it
explains data mining
and the tools used
in discovering

knowledge from the collected data. This book is referred as the knowledge discovery from data (KDD). It focuses on the feasibility, usefulness, effectiveness, and scalability of techniques of large data sets. After describing data

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Mining An
Introduction
Choccam

mining, this edition explains the methods of knowing, preprocessing, processing, and warehousing data. It then presents information about data warehouses, online analytical processing (OLAP), and data cube

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technology. Then,
the methods
involved in mining
frequent patterns,
associations, and
correlations for large
data sets are
described. The book
details the methods
for data
classification and
introduces the
concepts and

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Mining An
Introduction
Choccam
methods for data
clustering. The
remaining chapters
discuss the outlier
detection and the
trends, applications,
and research
frontiers in data
mining. This book is
intended for
Computer Science
students, application
developers,

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Mining An
Introduction
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business professionals, and researchers who seek information on data mining.

Presents dozens of algorithms and implementation examples, all in pseudo-code and suitable for use in real-world, large-scale data mining

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Mining An
Introduction
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projects Addresses
advanced topics
such as mining
object-relational
databases, spatial
databases,
multimedia
databases, time-
series databases,
text databases, the
World Wide Web,
and applications in
several fields

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Mining An

Provides a comprehensive, practical look at the concepts and techniques you need to get the most out of your data

The past decade has witnessed the emergence of participatory Web and social media, bringing people

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Introduction
Choccam

together in many
creative ways.

Millions of users are
playing, tagging,
working, and
socializing online,
demonstrating new
forms of
collaboration,
communication, and
intelligence that
were hardly
imaginable just a

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short time ago.
Social media also
helps reshape
business models,
sway opinions and
emotions, and
opens up numerous
possibilities to study
human interaction
and collective
behavior in an
unparalleled scale.

This lecture, from a

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Mining An
Introduction
Chocam
data mining
perspective,
introduces

characteristics of
social media,
reviews
representative tasks
of computing with
social media, and
illustrates
associated
challenges. It
introduces basic

Bookmark File PDF Social Media

Mining An
Introduction
Choccam

concepts, presents
state-of-the-art
algorithms with easy-
to-understand
examples, and
recommends
effective evaluation
methods. In
particular, we
discuss graph-
based community
detection
techniques and

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Mining An
Introduction
Chggam

many important extensions that handle dynamic, heterogeneous networks in social media. We also demonstrate how discovered patterns of communities can be used for social media mining. The concepts, algorithms, and

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Mining An
Introduction
Choccam

methods presented
in this lecture can
help harness the
power of social
media and support
building socially-
intelligent systems.
This book is an
accessible
introduction to the
study of
\emph{community
detection and

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Introduction
Choccam

mining in social
media}. It is an
essential reading for
students,
researchers, and
practitioners in
disciplines and
applications where
social media is a
key source of data
that piques our
curiosity to
understand,

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Choccam

manage, innovate,
and excel. This
book is supported
by additional
materials, including
lecture slides, the
complete set of
figures, key
references, some
toy data sets used
in the book, and the
source code of
representative

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algorithms. The
readers are
encouraged to visit
the book website for
the latest
information. Table of
Contents: Social
Media and Social
Computing / Nodes,
Ties, and Influence /
Community
Detection and
Evaluation /

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Mining An
Introduction
Choccam

Communities in
Heterogeneous
Networks / Social
Media Mining
Introduction to
Algorithms for Data
Mining and Machine
Learning
A Hands-on
Approach
Analyzing Data from
Facebook, Twitter,
LinkedIn, and Other

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Introduction
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Social Media Sites
Mining Social Media
Feature Engineering
for Machine
Learning and Data
Analytics
Concepts and
Techniques
*BuzzFeed News
Senior Reporter
Lam Thuy Vo
explains how to*

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Mining An
Introduction
Choccam
*mine, process,
and analyze
data from the
social web in
meaningful
ways with the
Python
programming
language. Did
fake Twitter
accounts help
sway a*

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*Mining An
Introduction
Choccam*
*presidential
election? What
can Facebook
and Reddit
archives tell us
about human
behavior? In
Mining Social
Media, senior
BuzzFeed
reporter Lam
Thuy Vo shows*

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Mining An

*you how to use
Python and key
data analysis*

*tools to find the
stories buried in
social media.*

*Whether you're
a professional
journalist, an
academic
researcher, or a
citizen*

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*Mining An
Introduction
Chqcam*
investigator,
you'll learn how
to use technical
tools to collect
and analyze
data from social
media sources
to build
compelling, data-
driven stories.

Learn how to: •

Write Python

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*Mining An
Introduction
Choccam*

*scripts and use
APIs to gather
data from the
social web •
Download data
archives and dig
through them
for insights •
Inspect HTML
downloaded
from websites
for useful*

Bookmark File
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Mining An
Introduction
Choccam

*content •
Format,
aggregate, sort,
and filter your
collected data
using Google
Sheets • Create
data
visualizations to
illustrate your
discoveries •
Perform*

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*Mining An
Introduction
Choccam*
*advanced data
analysis using
Python, Jupyter
Notebooks, and
the pandas
library • Apply
what you've
learned to
research topics
on your own
Social media is
filled with*

Bookmark File
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*thousands of
hidden stories
just waiting to
be told. Learn to
use the data-
sleuthing tools
that
professionals
use to write
your own data-
driven stories.
SNA techniques*

*are derived
from
sociological and
social-
psychological
theories and
take into
account the
whole network
(or, in case of
very large
networks such*

as Twitter -- a large segment of the network). Thus, we may arrive at results that may seem counter-intuitive -- e.g. that Justin Bieber (7.5 mil. followers) and Lady Gaga (7.2 mil. followers)

*have relatively
little actual
influence
despite their
celebrity status
-- while a middle-
of-the-road
blogger with
30K followers is
able to generate
tweets that "go
viral" and result*

Bookmark File
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*in millions of
impressions.*

*O'Reilly's
"Mining Social
Media" and
"Programming
Collective
Intelligence"
books are an
excellent start
for people
inteseeted in*

*SNA. This book
builds on these
books'*

*foundations to
teach a new,
pragmatic, way
of doing SNA. I
would like to
write a book
that links theory
("why is this
important?"),*

Mining An
Introduction
Choccam

"how do various concepts interact?", "how do I interpret quantitative results?") and practice -- gathering, analyzing and visualizing data using Python and other open-

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*source tools.
Feature
engineering
plays a vital role
in big data
analytics.
Machine
learning and
data mining
algorithms
cannot work
without data.*

Little can be achieved if there are few features to represent the underlying data objects, and the quality of results of those algorithms largely depends on the quality of

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Mining An
Introduction
Choccam
*the available
features.*

Feature

*Engineering for
Machine*

*Learning and
Data Analytics
provides a
comprehensive
introduction to
feature
engineering,*

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*including
feature
generation,
feature
extraction,
feature
transformation,
feature
selection, and
feature analysis
and evaluation.
The book*

Bookmark File
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*presents key
concepts,
methods,
examples, and
applications, as
well as chapters
on feature
engineering for
major data
types such as
texts, images,
sequences, time*

Bookmark File
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*series, graphs,
streaming data,
software
engineering
data, Twitter
data, and social
media data. It
also contains
generic feature
generation
approaches, as
well as methods*

Bookmark File

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Mining An

*for generating
tried-and-tested,*

hand-crafted,

domain-specific

features. The

first chapter

defines the

concepts of

features and

feature

engineering,

offers an

Bookmark File
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*overview of the
book, and
provides
pointers to
topics not
covered in this
book. The next
six chapters are
devoted to
feature
engineering,
including*

Bookmark File
PDF Social Media

*feature
generation for
specific data
types. The
subsequent four
chapters cover
generic
approaches for
feature
engineering,
namely feature
selection,*

Bookmark File
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Mining An
Introduction
Chocam

*feature
transformation
based feature
engineering,
deep learning
based feature
engineering,
and pattern
based feature
generation and
engineering.
The last three*

Bookmark File

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Mining An

chapters discuss

feature

engineering for

social bot

detection,

software

management,

and Twitter-

based

applications

respectively.

This book can

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*be used as a
reference for
data analysts,
big data
scientists, data
preprocessing
workers, project
managers,
project
developers,
prediction
modelers,*

Bookmark File

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Mining An

*professors,
researchers,*

graduate

students, and

upper level

undergraduate

students. It can

also be used as

the primary text

for courses on

feature

engineering, or

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Mining An
Introduction
Chqcam

*as a supplement
for courses on
machine
learning, data
mining, and big
data analytics.
This book
explores the
concepts of data
mining and data
warehousing, a
promising and*

*flourishing
frontier in
database*

*systems, and
presents a
broad, yet in-
depth overview
of the field of
data mining.*

*Data mining is a
multidisciplinary
field, drawing*

Bookmark File

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Mining An

work from areas

including

database

technology,

artificial

intelligence,

machine

learning, neural

networks,

statistics,

pattern

recognition,

Bookmark File
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*Mining An
Introduction
Choccam*
*knowledge
based systems,
knowledge
acquisition,
information
retrieval, high
performance
computing and
data
visualization.*

*Acquire and
analyze data*

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Mining An

from all corners

of the social

web with Python

About This Book

Make sense of

highly

unstructured

social media

data with the

help of the

insightful use

cases provided

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in this guide
Use this easy-to-
follow, step-by-
step guide to
apply analytics
to complicated
and messy
social data This
is your one-stop
solution to
fetching,
storing,

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*Mining, An
Introduction
Chocam*
*analyzing, and
visualizing
social media
data Who This
Book Is For This
book is for
intermediate
Python
developers who
want to engage
with the use of
public APIs to*

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*Mining An
Introduction
Choccam*
*collect data
from social
media platforms
and perform
statistical
analysis in order
to produce
useful insights
from data. The
book assumes a
basic
understanding*

Bookmark File
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*Mining An
Introduction
Choccam*
*of the Python
Standard
Library and
provides
practical
examples to
guide you
toward the
creation of your
data analysis
project based on
social data.*

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*What You Will
Learn Interact
with a social
media platform
via their public
API with Python
Store social
data in a
convenient
format for data
analysis Slice
and dice social*

Bookmark File
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*data using
Python tools for
data science*

*Apply text
analytics
techniques to
understand
what people are
talking about on
social media*

*Apply advanced
statistical and*

Bookmark File
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*analytical
techniques to
produce useful
insights from
data Build
beautiful
visualizations
with web
technologies to
explore data
and present
data products In*

Bookmark File
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*Detail Your
social media is
filled with a
wealth of hidden
data - unlock it
with the power
of Python.
Transform your
understanding
of your clients
and customers
when you use*

Bookmark File
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*Python to solve
the problems of
understanding
consumer
behavior and
turning raw
data into
actionable
customer
insights. This
book will help
you acquire and*

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Mining An Introduction Chocam
*analyze data
from leading
social media
sites. It will
show you how to
employ
scientific Python
tools to mine
popular social
websites such
as Facebook,
Twitter, Quora,*

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and more.

*Explore the
Python libraries
used for social
media mining,
and get the tips,
tricks, and
insider insight
you need to
make the most
of them.*

Discover how to

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*develop data
mining tools
that use a social
media API, and
how to create
your own data
analysis projects
using Python for
clear insight
from your social
data. Style and
approach This*

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practical, hands-on guide will help you learn everything you need to perform data mining for social media.

Throughout the book, we take an example-oriented approach to use

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*Python for data
analysis and
provide useful
tips and tricks
that you can use
in day-to-day
tasks.*

*Social Network
Analysis for
Startups
Social Media
Data Mining*

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*Mining An
Introduction
Choccam*
*and Analytics
Mining Text
Data*

*Managing and
Mining*

*Uncertain Data
An Introduction
Big Data on*

Small Devices

Social Media Mining
and Social Network
Analysis: Emerging

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Mining An

Introduction

Chrcam

Research highlights the advancements made in social network analysis and social web mining and its influence in the fields of computer science, information systems, sociology, organization science discipline and much more. This collection of perspectives on

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Introduction
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developmental
practice is useful for
industrial
practitioners as well
as researchers and
scholars.

With the resurgence of
neural networks in the
2010s, deep learning
has become essential
for machine learning
practitioners and even
many software

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Mining An

engineers. This book provides a

Introduction

comprehensive introduction for data

scientists and software

engineers with

machine learning

experience. You'll

start with deep

learning basics and

move quickly to the

details of important

advanced

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architectures,
implementing
everything from
scratch along the way.
Author Seth Weidman
shows you how neural
networks work using a
first principles
approach. You'll
learn how to apply
multilayer neural
networks,
convolutional neural

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networks, and recurrent neural networks from the ground up. With a thorough understanding of how neural networks work mathematically, computationally, and conceptually, you'll be set up for success on all future deep learning projects. This

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book provides:

Extremely clear and

thorough mental

models—accompanied

by working code

examples and

mathematical

explanations—for

understanding neural

networks Methods for

implementing

multilayer neural

networks from

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Mining An

scratch, using an easy-to-understand object-oriented framework

Working

implementations and clear-cut explanations of convolutional and recurrent neural networks

Implementation of these neural network concepts using the popular PyTorch

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framework

This book presents recent developments on the theoretical, algorithmic, and application aspects of Big Data in Complex and Social Networks. The book consists of four parts, covering a wide range of topics. The first part of the book focuses on data

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storage and data processing. It explores how the efficient storage of data can fundamentally support intensive data access and queries, which enables sophisticated analysis. It also looks at how data processing and visualization help to communicate

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information clearly and efficiently. The second part of the book is devoted to the extraction of essential information and the prediction of web content. The book shows how Big Data analysis can be used to understand the interests, location, and search history of

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users and provide more accurate predictions of User Behavior. The latter two parts of the book cover the protection of privacy and security, and emergent applications of big data and social networks. It analyzes how to model rumor diffusion, identify

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misinformation from massive data, and design intervention strategies.

Applications of big data and social networks in multilayer networks and multiparty systems are also covered in-depth. Learn methods of data analysis and their application to real-

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world data sets This updated second edition serves as an introduction to data mining methods and models, including association rules, clustering, neural networks, logistic regression, and multivariate analysis. The authors apply a unified "white box"

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approach to data mining methods and models. This approach is designed to walk readers through the operations and nuances of the various methods, using small data sets, so readers can gain an insight into the inner workings of the method under review.

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Chapters provide readers with hands-on analysis problems, representing an opportunity for readers to apply their newly-acquired data mining expertise to solving real problems using large, real-world data sets. Data Mining and Predictive Analytics: Offers

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Mining An

comprehensive
Introduction
coverage of

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association rules,
clustering, neural
networks, logistic
regression,

multivariate analysis,
and R statistical
programming

language Features
over 750 chapter
exercises, allowing

readers to assess their

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understanding of the
new material Provides
a detailed case study
that brings together
the lessons learned in
the book Includes
access to the
companion website, www.dataminingconsultant.com, with exclusive
password-protected
instructor content
Data Mining and

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Predictive Analytics will appeal to computer science and statistic students, as well as students in MBA programs, and chief executives.

Gaining access to high-quality data is a vital necessity in knowledge-based decision making. But data in its raw form

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often contains sensitive information about individuals.

Providing solutions to this problem, the methods and tools of privacy-preserving data publishing enable the publication of useful information while protecting data privacy. Introduction to Privacy-Preserving

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Mining An

Data Publishing:

Introduction

Concepts and

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Techniques presents

state-of-the-art

information sharing

and data integration

methods that take into

account privacy and

data mining

requirements. The first

part of the book

discusses the

fundamentals of the

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field. In the second part, the authors present anonymization methods for preserving information utility for specific data mining tasks. The third part examines the privacy issues, privacy models, and anonymization methods for realistic

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and challenging data publishing scenarios.

While the first three parts focus on

anonymizing

relational data, the

last part studies the privacy threats,

privacy models, and

anonymization

methods for complex data, including

transaction,

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trajectory, social network, and textual data. This book not only explores privacy and information utility issues but also efficiency and scalability challenges. In many chapters, the authors highlight efficient and scalable methods and provide an analytical

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discussion to compare the strengths and weaknesses of different solutions.

Multimedia Data

Mining

Data Mining Methods for the Content Analyst

Social Network

Mining, Analysis, and Research Trends:

Techniques and

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Applications
Examples and Case
Studies

Mastering Social
Media Mining with R
A Systematic
Introduction to
Concepts and Theory
Students in social
science courses
communicate,
socialize, shop,
learn, and work

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online. When they are asked to collect data for course projects they are often drawn to social media platforms and other online sources of textual data. There are many software packages and programming

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languages available to help students collect data online, and there are many texts designed to help with different forms of online research, from surveys to ethnographic interviews. But there is no

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textbook available
that teaches
students how to
construct a viable
research project
based on online
sources of textual
data such as
newspaper
archives, site user
comment archives,
digitized historical
documents, or

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social media user
comment archives.

Gabe Ignatow and

Rada F. Mihalcea's

new text An

Introduction to

Text Mining will be

a starting point for

undergraduates

and first-year

graduate students

interested in

collecting and

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analyzing textual data from online sources, and will cover the most critical issues that students must take into consideration at all stages of their research projects, including: ethical and philosophical issues; issues

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related to research design; web scraping and crawling; strategic data selection; data sampling; use of specific text analysis methods; and report writing. Provides information on data analysis from a vareity of social

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networking sites,
including
Facebook, Twitter,
and LinkedIn.

This book is an
accessible
introduction to the
study of detecting
fake news on
social media. The
concepts,
algorithms, and
methods

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described in this book can help harness the power of social media to build effective and intelligent fake news detection systems. In the past decade, social media is becoming increasingly popular for news

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consumption due to its easy access, fast dissemination, and low cost.

However, social media also enables the wide propagation of "fake news," i.e., news with intentionally false information. Fake news on social

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media can have significant negative societal effects. Therefore, fake news detection on social media has recently become an emerging research that is attracting tremendous attention. From a data mining

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perspective, this
book introduces
the basic concepts
and characteristics
of fake news
across disciplines,
reviews
representative fake
news detection
methods in a
principled way,
and illustrates
advanced settings

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of fake news
detection on social
media. In
particular, the
authors discuss
the value of news
content and social
context, as well as
important
extensions to
handle early
detection, weakly-
supervised

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detection, and explainable detection. This is essential reading for students, researchers, and practitioners to understand, manage, and excel in this area. This book is supported by additional materials,

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including lecture slides, the complete set of figures, key references, datasets, tools used in this book, and the source code of representative algorithms.

For any organization to be

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successful, it must operate in such a manner that knowledge and information, human resources, and technology are continually taken into consideration and managed effectively.

Business concepts

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are always present regardless of the field or industry – in education, government, healthcare, not-for-profit, engineering, hospitality/tourism , among others.

Maintaining organizational awareness and a strategic frame of

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mind is critical to meeting goals, gaining competitive advantage, and ultimately ensuring sustainability. The Encyclopedia of Organizational Knowledge, Administration, and Technology is

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an inaugural five-
volume publication
that offers 193
completely new
and previously
unpublished
articles authored
by leading experts
on the latest
concepts, issues,
challenges,
innovations, and
opportunities

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covering all
aspects of modern
organizations.

Moreover, it is
comprised of
content that
highlights major
breakthroughs,
discoveries, and
authoritative
research results as
they pertain to all
aspects of

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organizational
growth and
development
including
methodologies
that can help
companies thrive
and analytical
tools that assess
an organization's
internal health and
performance.

Insights are

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offered in key
topics such as
organizational
structure, strategic
leadership,
information
technology
management, and
business
analytics, among
others. The
knowledge
compiled in this

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publication is
designed for
entrepreneurs,
managers,
executives,
investors,
economic
analysts, computer
engineers,
software
programmers,
human resource
departments, and

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other industry professionals seeking to understand the latest tools to emerge from this field and who are looking to incorporate them in their practice. Additionally, academicians, researchers, and

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students in fields
that include but
are not limited to
business,
management
science,
organizational
development,
entrepreneurship,
sociology,
corporate
psychology,
computer science,

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and information
technology will
benefit from the
research compiled
within this
publication.

Text mining
applications have
experienced
tremendous
advances because
of web 2.0 and
social networking

applications.
Recent advances
in hardware and
software
technology have
lead to a number
of unique
scenarios where
text mining
algorithms are
learned. Mining
Text Data
introduces an

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important niche in the text analytics field, and is an edited volume contributed by leading international researchers and practitioners focused on social networks & data mining. This book contains a wide

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swath in topics across social networks & data mining. Each chapter contains a comprehensive survey including the key research content on the topic, and the future directions of research in the field. There is a

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special focus on
Text Embedded
with

Heterogeneous
and Multimedia
Data which makes
the mining
process much
more challenging.
A number of
methods have
been designed
such as transfer

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learning and cross-lingual mining for such cases.

Mining Text Data simplifies the content, so that advanced-level students, practitioners and researchers in computer science can benefit from this book.

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Academic and corporate libraries, as well as ACM, IEEE, and Management Science focused on information security, electronic commerce, databases, data mining, machine learning, and statistics are the

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Techniques and

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Introduction to
Privacy-Preserving
Data Publishing
***Advanced
Data Mining
Tools and
Methods for
Social
Computing
explores
advances in***

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***the latest data
mining tools,
methods,
algorithms
and the
architectures
being
developed
specifically for
social
computing and
social network***

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*analysis. The
book reviews
major
emerging
trends in
technology
that are
supporting
current
advancements
in social
networks,*

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***including data
mining
techniques
and tools. It
also aims to
highlight the
advancement
of
conventional
approaches in
the field of
social***

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networking.
Chapter
coverage
includes
reviews of
novel
techniques
and state-of-
the-art
advances in
the area of
data mining,

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***machine
learning, soft
computing
techniques,
and their
applications in
the field of
social network
analysis.
Provides
insights into
the latest***

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**research
trends in
social network
analysis**

**Covers a broad
range of data
mining tools
and methods
for social
computing and
analysis**

Includes

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*practical
examples and
case studies
across a range
of tools and
methods
Features
coding
examples and
supplementary
data sets in
every chapter*

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***Social Network
Analysis and
Mining***

Encyclopedia

(ESNAM) is the

first major

reference

work to

integrate

fundamental

concepts and

research

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*directions in
the areas of
social
networks and
applications to
data mining.
The second
edition of
ESNAM is a
truly
outstanding
reference*

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***appealing to
researchers,
practitioners,
instructors
and students
(both
undergraduate
and graduate),
as well as the
general public.
This updated
reference***

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*integrates all
basics
concepts and
research
efforts under
one umbrella.
Coverage has
been
expanded to
include new
emerging
topics such as*

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crowdsourcing

, opinion

mining, and

sentiment

analysis.

Revised

content of

existing

material keeps

the

encyclopedia

current. The

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***second edition
is intended for
college***

***students as
well as public
and academic
libraries. It is
anticipated to
continue to
stimulate
more
awareness of***

social network applications and research efforts. The advent of electronic communication, and in particular on-line communities, have created social

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*networks of
hitherto
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*Reflecting the
interdisciplina
ry nature of
this unique
field, the
essential
contributions
of diverse*

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***disciplines,
from computer
science,***

***mathematics,
and statistics***

to sociology

***and behavioral
science, are***

described

***among the 300
authoritative***

yet highly

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***readable
entries.***

***Students will
find a world of
information
and insight
behind the
familiar façade
of the social
networks in
which they
participate.***

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***Researchers
and
practitioners
will benefit
from a
comprehensiv
e perspective
on the
methodologies
for analysis of
constructed
networks, and***

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***the data
mining and
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sophisticated
knowledge
discovery in
complex***

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applications.

Introduction

Also

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***addressed is
the application
of social
network
methodologies
to other
domains, such
as web
networks and
biological***

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networks.
Social network
analysis
applications
have
experienced
tremendous
advances
within the last
few years due
in part to
increasing

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**trends
towards users
interacting
with each
other on the
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**Social
networks are
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social**

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*networks
takes on the
form of
massive
streams,
which are
mined for a
variety of
purposes.
Social Network
Data Analytics
covers an*

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***important
niche in the
social network
analytics field.
This edited
volume,
contributed by
prominent
researchers in
this field,
presents a
wide selection***

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***of topics on
social network
data mining
such as
Structural
Properties of
Social
Networks,
Algorithms for
Structural
Discovery of
Social***

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***Networks and
Content
Analysis in
Social
Networks. This
book is also
unique in
focussing on
the data
analytical
aspects of
social***

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***networks in
the internet
scenario,
rather than
the traditional
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prevalent in
the existing
books, which
do not focus***

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***on the unique
data-intensive
characteristics
of online
social***

networks.

***Emphasis is
placed on
simplifying the
content so
that students
and***

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practitioners

benefit from

this book. This

book targets

advanced level

students and

researchers

concentrating

on computer

science as a

secondary text

or reference

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*book. Data
mining,
database,
information
security,
electronic
commerce and
machine
learning
professionals
will find this
book a*

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*valuable
asset, as well
as primary
associations
such as ACM,
IEEE and
Management
Science.
Data mining
has witnessed
substantial
advances in*

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*recent
decades. New
research
questions and
practical
challenges
have arisen
from emerging
areas and
applications
within the
various fields*

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closely related to human daily life, e.g. social media and social networking.

This book aims to bridge the gap between traditional data mining and the latest

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*advances in
newly
emerging
information
services. It
explores the
extension of
well-studied
algorithms
and
approaches
into these new*

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**research
arenas.**

An

***Introduction to
Mining***

***Seismology
describes com
prehensively
the modern
methods and
techniques
used to***

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monitor and

study

seismicity and

rockbursts in

mines. Key

case histories

from various

worldwide

mining

districts

clearly

illustrate and

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*skillfully
emphasize the
practical
aspects of
mining
seismology.
This text is
intended as a
handbook for
geophysicists
and mining
and rock*

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mechanics

Introduction

engineers

Choccam

working at

mines. It will

also serve as

an essential

reference tool

for

seismologists

working at

research

institutions on

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local
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seismicity not
necessarily
induced by
mining.

Presents a
comprehensiv
e description
of seismicity
induced by
mining
worldwide

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***Provides
information on
optimum***

network

planning and

seismic event

location

procedures in

deep mines

Covers a broad

array of topics

including focal

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***mechanism,
moment
tensor, and
double-couple
versus non-
double-couple
seismic events
in mines
Includes data
on source
parameters
and scaling***

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*relations for
seismic events
in mines*

*Data Mining in
Bioinformatics
Research*

*Design, Data
Collection, and
Analysis*

*Building with
Python from
First Principles*

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Mastering
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Mining with
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Data Mining
and Predictive
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from your social media
sites and make better

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Book Explore the
social media APIs in R
to capture data and
tame it Employ the
machine learning
capabilities of R to
gain optimal business
value A hands-on
guide with real-world
examples to help you
take advantage of the
vast opportunities that

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Mining An

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Who This Book Is

For If you have basic knowledge of R in terms of its libraries and are aware of different machine learning techniques, this book is for you.

Those with experience in data analysis who are interested in mining social media data will find this book

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Chapters

useful. What You Will

Learn Access APIs of

popular social media

sites and extract data

Perform sentiment

analysis and identify

trending topics

Measure CTR

performance for social

media campaigns

Implement exploratory

data analysis and

correlation analysis

Build a logistic

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regression model to
detect spam messages

Construct clusters of

pictures using the K-
means algorithm and

identify popular

personalities and

destinations Develop

recommendation

systems using

Collaborative Filtering

and the Apriori

algorithm In Detail

With an increase in the

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Chapter

number of users on the web, the content generated has increased

substantially, bringing in the need to gain insights into the untapped gold mine that is social media data. For

computational statistics, R has an advantage over other languages in providing

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Chapters

readily-available data extraction and transformation packages, making it easier to carry out your ETL tasks. Along with this, its data visualization packages help users get a better understanding of the underlying data distributions while its range of "standard" statistical packages

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Chapter

simplify analysis of the data. This book will teach you how powerful business cases are solved by applying machine learning techniques on social media data. You will learn about important and recent developments in the field of social media, along with a few advanced topics such

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as Open Authorization
(OAuth). Through

practical examples,

you will access data

from R using APIs of

various social media

sites such as Twitter,

Facebook, Instagram,

GitHub, Foursquare,

LinkedIn, Blogger,

and other networks.

We will provide you

with detailed

explanations on the

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implementation of various use cases using R programming. With this handy guide, you will be ready to embark on your journey as an independent social media analyst. Style and approach This easy-to-follow guide is packed with hands-on, step-by-step examples that will enable you to

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convert your real-world social media data into useful, practical information. A concise, hands-on guide with many practical examples and a detailed treatise on inference and social science research that will help you in mining data in the real world. Whether you are an undergraduate who

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wishes to get hands-on experience working with social data from the Web, a practitioner wishing to expand your competencies and learn unsupervised sentiment analysis, or you are simply interested in social data analysis, this book will prove to be an essential asset. No

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previous experience with R or statistics is required, though having knowledge of both will enrich your experience.

Harness the power of social media to predict customer behavior and improve sales Social media is the biggest source of Big Data. Because of this, 90% of Fortune 500

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companies are investing in Big Data initiatives that will help them predict consumer behavior to produce better sales results. Social Media Data Mining and Analytics shows analysts how to use sophisticated techniques to mine social media data, obtaining the

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information they need to generate amazing results for their businesses. Social Media Data Mining and Analytics isn't just another book on the business case for social media. Rather, this book provides hands-on examples for applying state-of-the-art tools and technologies to mine

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social media -
examples include
Twitter, Wikipedia,
Stack Exchange,
LiveJournal, movie
reviews, and other rich
data sources. In it, you
will learn: The four
key characteristics of
online services-users,
social networks,
actions, and content
The full data discovery
lifecycle-data

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extraction, storage,
analysis, and

visualization How to

work with code and

extract data to create

solutions How to use

Big Data to make

accurate customer

predictions How to

personalize the social

media experience

using machine

learning Using the

techniques the authors

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detail will provide organizations the competitive advantage they need to harness the rich data available from social media platforms.

R and Data Mining introduces researchers, post-graduate students, and analysts to data mining using R, a free software environment

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for statistical computing and graphics. The book provides practical methods for using R in applications from academia to industry to extract knowledge from vast amounts of data. Readers will find this book a valuable guide to the use of R in tasks such as classification and

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prediction, clustering, outlier detection, association rules, sequence analysis, text mining, social network analysis, sentiment analysis, and more.

Data mining techniques are growing in popularity in a broad range of areas, from banking to insurance, retail, telecom, medicine,

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research, and
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government. This book

focuses on the

modeling phase of the
data mining process,

also addressing data
exploration and model

evaluation. With three

in-depth case studies, a

quick reference guide,

bibliography, and links

to a wealth of online

resources, R and Data

Mining is a valuable,

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practical guide to a powerful method of analysis. Presents an introduction into using R for data mining applications, covering most popular data mining techniques Provides code examples and data so that readers can easily learn the techniques Features case studies in real-world

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applications to help
readers apply the

techniques in their
work

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Introduction to Social
Media Investigation

R and Data Mining

Introduction to Data

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Mining and its
Applications

Methods and
Applications

Social Media Mining
with R

Integrates social
media, social
network analysis,
and data mining to
provide an
understanding of
the potentials of

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social media
mining.

Mine the rich data tucked away in popular social websites such as Twitter, Facebook, LinkedIn, and Instagram. With the third edition of this popular guide, data scientists, analysts,

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and programmers will learn how to glean insights from social media—including who's connecting with whom, what they're talking about, and where they're located—using Python code

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examples, Jupyter notebooks, or Docker containers.

In part one, each standalone chapter focuses on one aspect of the social landscape, including each of the major social sites, as well as web pages, blogs

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and feeds,
mailboxes, GitHub,
and a newly added
chapter covering
Instagram. Part two
provides a
cookbook with two
dozen bite-size
recipes for solving
particular issues
with Twitter. Get a
straightforward

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synopsis of the
social web
landscape Use
Docker to easily
run each chapter's
example code,
packaged as a
Jupyter notebook
Adapt and
contribute to the
code's open source
GitHub repository

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tools to slice and
dice the data you
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advanced mining
techniques such as
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analysis, clique

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detection, and
image recognition
Build beautiful data
visualizations with
Python and
JavaScript toolkits
Owing to
continuous
advances in the
computational
power of handheld
devices like

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smartphones and tablet computers, it has become possible to perform Big Data operations including modern data mining processes onboard these small devices. A decade of research has

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proved the feasibility of what has been termed as Mobile Data Mining, with a focus on one mobile device running data mining processes. However, it is not before 2010 until the authors of this

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book initiated the
Pocket Data Mining
(PDM) project
exploiting the
seamless
communication
among handheld
devices performing
data analysis tasks
that were infeasible
until recently. PDM
is the process of

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collaboratively
extracting
knowledge from
distributed data
streams in a mobile
computing
environment. This
book provides the
reader with an in-
depth treatment on
this emerging area
of research. Details

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of techniques used
and thorough
experimental
studies are given.
More importantly
and exclusive to
this book, the
authors provide
detailed practical
guide on the
deployment of
PDM in the mobile

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environment. An important extension to the basic implementation of PDM dealing with concept drift is also reported. In the era of Big Data, potential applications of paramount importance offered

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by PDM in a variety of domains including security, business and telemedicine are discussed.

This book is the first of three volumes that illustrate the concept of social networks from a

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computational point
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of view. The book
contains

contributions from
a international
selection of world-
class experts, with
a specific focus on
practical tools,
applications, and
open avenues for
further research

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(the other two volumes review issues of Security and Privacy, and Mining and Visualization in CSNs). Topics and features: presents the latest advances in CSNs, and illustrates how organizations can

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gain a competitive
advantage by
applying these
ideas in real-world
scenarios;
discusses the
design and use of a
wide range of
computational tools
and software for
social network
analysis; describes

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simulations of
social networks,
the representation
and analysis of
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and the use of
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in knowledge
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survey articles, and

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in network

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Collecting the latest

developments in

the field,

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Systematic
Introduction to
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Theory defines
multimedia data
mining, its theory,
and its
applications. Two
of the most active
researchers in
multimedia data
mining explore how

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this young area has rapidly developed in recent years.

The book first discusses the theoretical foundations of multimedia data mining, presenting commonly used feature representation,

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knowledge
representation,
statistical learning,
and soft computing
techniques. It then
provides
application
examples that
showcase the great
potential of
multimedia data
mining

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technologies. In this part, the authors show how to develop a semantic repository training method and a concept discovery method in an imagery database. They demonstrate how knowledge

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discovery helps
achieve the goal of
imagery
annotation. The
authors also
describe an
effective solution to
large-scale video
search, along with
an application of
audio data
classification and

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categorization. This novel, self-contained book examines how the merging of multimedia and data mining research can promote the understanding and advance the development of

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knowledge
discovery in
multimedia data.

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for disease
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