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***The Data
Warehouse***

Lab A

Step By

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Guide

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Data
Warehousing in
the Age of the
Big Data will help
you and your
organization
make the most of
unstructured data
with your existing
data warehouse.

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As Big Data continues to revolutionize how we use data, it doesn't have to create more confusion. Expert author Krish Krishnan helps you make sense of how Big Data fits into the world

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of data

warehousing in

clear and concise

detail. The book

is presented in

three distinct

parts. Part 1

discusses Big

Data, its

technologies and

use cases from

early adopters.

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Part 2 addresses data

warehousing, its shortcomings,

and new architecture

options,

workloads, and

integration

techniques for

Big Data and the

data warehouse.

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Part 3 deals with data governance, data

visualization,
information life-cycle
management,
data scientists,
and
implementing a
Big Data-ready
data warehouse.

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Extensive
appendixes
include case
studies from
vendor
implementations
and a special
segment on how
we can build a
healthcare
information
factory.

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Ultimately, this book will help you navigate through the complex layers of Big Data and data warehousing while providing you information on how to effectively think about using all

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these technologies and the architectures to design the next-generation data warehouse. Learn how to leverage Big Data by effectively integrating it into your data warehouse.

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Includes real-world examples and use cases

that clearly demonstrate Hadoop, NoSQL, HBASE, Hive, and other Big Data technologies

Understand how to optimize and tune your current

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data warehouse
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infrastructure
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and integrate

newer

infrastructure

matching data

processing

workloads and

requirements

Data Mining:

Concepts and

Techniques

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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

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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,

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effectiveness,
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and scalability of
techniques of

large data sets.

After describing
data mining, this
edition explains
the methods of
knowing,
preprocessing,
processing, and
warehousing

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data. It then presents information about data warehouses, online analytical processing (OLAP), and data cube technology. Then, the methods involved in mining frequent patterns,

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associations, and correlations for large data sets are described.

The book details the methods for data classification and introduces the concepts and methods for data clustering. The

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remaining chapters discuss the outlier

detection and the trends, applications, and research frontiers in data mining.

This book is intended for Computer Science students,

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application developers, business professionals, and researchers who seek information on data mining. Presents dozens of algorithms and implementation examples, all in

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pseudo-code and
suitable for use
in real-world,

large-scale data
mining projects

Addresses

advanced topics
such as mining

object-relational
databases,

spatial

databases,

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multimedia
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databases, time-series databases, text databases, the World Wide Web, and applications in several fields Provides a comprehensive, practical look at the concepts and

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techniques you need to get the most out of your data

This series is directed to healthcare professionals who are leading the transformation of health care by using information

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and knowledge.
Launched in 1988
as Computers in
Health Care, the
series offers a
broad range of
titles: some
addressed to
specific
professions such
as nursing,
medicine, and

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health administration; others to special areas of practice such as trauma and radiology. Still other books in the series focus on interdisciplinary issues, such as the computer-

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based patient record, electronic health records, and networked healthcare systems.

Renamed Health Informatics in 1998 to reflect the rapid evolution in the discipline now known as

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health informatics, the series will continue to add titles that contribute to the evolution of the field. In the series, eminent - perts, serving as editors or authors, offer

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their accounts of innovations in health

informatics.

Increasingly, these accounts go beyond hardware and software to address the role of information in influencing the

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transformation of
healthcare

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delivery systems

around the world.

The series also

increasingly

focuses on

“peopleware”

and the

organizational,

behavioral, and

societal changes

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that accompany the diffusion of information

technology in health services environments.

Data

warehousing is one of the hottest business topics, and there's more to understanding

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data warehousing
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technologies

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than you might

think. Find out

the basics of data

warehousing and

how it facilitates

data mining and

business

intelligence with

Data

Warehousing For

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Dummies, 2nd
Edition. Data is
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probably your company's most important asset, so your data warehouse should serve your needs. The fully updated Second Edition of Data

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Warehousing For Dummies helps you understand,

develop,

implement, and

use data

warehouses, and

offers a sneak

peek into their

future. You'll

learn to: Analyze

top-down and

Get Free The Data Warehouse Lab A Step By Step bottom-up data warehouse designs

Understand the structure and technologies of data warehouses, operational data stores, and data marts Choose your project team and apply best

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development practices to your data warehousing projects

Implement a data warehouse, step by step, and involve end-users in the process

Review and upgrade existing data storage to

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make it serve
your needs
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Comprehend
OLAP, column-
wise databases,
hardware
assisted
databases, and
middleware Use
data mining
intelligently and
find what you

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need Make informed choices about

consultants and data warehousing products Data Warehousing For Dummies, 2nd Edition also shows you how to involve users in the testing

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Step By Step

process and gain valuable

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feedback, what it takes to

successfully

manage a data

warehouse

project, and how

to tell if your

project is on

track. You'll find

it's the most

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useful source of
data on the topic!
Data

Warehousing in
the Age of Big
Data

Learning

Informatica

PowerCenter 10.x

The Data

Warehouse Lab

Self-assessment

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Q&A in Clinical
Laboratory
Science, III

Fueling the Data
Engine

Contemporary
Practice in Clinical
Chemistry, Fourth
Edition, provides a
clear and concise
overview of

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important topics in the field. This new edition is useful for students, residents and fellows in clinical chemistry and pathology, presenting an introduction and overview of the field to assist readers as they in review and

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prepare for board certification examinations. For

new medical technologists, the book provides context for understanding the clinical utility of tests that they perform or use in other areas in the

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clinical laboratory.

For experienced laboratorians, this

revision continues to provide an

opportunity for exposure to more recent trends and developments in clinical chemistry.

Includes enhanced illustration and new

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and revised color figures Provides improved self-

assessment questions and end-of-chapter assessment questions

Data Warehousing and Mining (DWM) is the science of managing and analyzing large datasets and

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discovering novel patterns and in recent years has

emerged as a particularly exciting and industrially relevant area of research. Prodigious amounts of data are now being generated in domains as diverse as market research,

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functional genomics
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and pharmaceuticals;
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intelligently

analyzing these data,
with the aim of
answering crucial
questions and
helping make
informed decisions,
is the challenge that
lies ahead. The
Encyclopedia of

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Data Warehousing and Mining provides a comprehensive,

critical and

descriptive

examination of

concepts, issues,

trends, and

challenges in this

rapidly expanding

field of data

warehousing and

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mining (DWM). This encyclopedia consists of more than 350 contributors from 32 countries, 1,800 terms and definitions, and more than 4,400 references. This authoritative publication offers in-depth coverage of

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evolutions, theories,
methodologies,
functionalities, and
applications of
DWM in such
interdisciplinary
industries as
healthcare
informatics, artificial
intelligence,
financial modeling,
and applied statistics,

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making it a single
Guide Using Ssis
source of knowledge
And Ssas 2017
and latest discoveries
in the field of
DWM.

This textbook covers
all central activities
of data warehousing
and analytics,
including
transformation,
preparation,

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aggregation, integration, and analysis. It discusses the full spectrum of the journey of data from operational/transactional databases, to data warehouses and data analytics; as well as the role that data warehousing plays in the data

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processing lifecycle.

It also explains in detail how data

warehouses may be used by data engines, such as BI tools and analytics algorithms to produce reports, dashboards, patterns, and other useful information and knowledge. The

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book is divided into six parts, ranging from the basics of

data warehouse design (Part I - Star Schema, Part II - Snowflake and Bridge Tables, Part III - Advanced Dimensions, and Part IV - Multi-Fact and Multi-Input), to

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more advanced data warehousing concepts (Part V -

Data Warehousing and Evolution) and data analytics (Part VI - OLAP, BI, and Analytics). This textbook approaches data warehousing from the case study angle. Each chapter

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presents one or more case studies to thoroughly explain

the concepts and has different levels of difficulty, hence learning is

incremental. In

addition, every

chapter has also a

section on further

readings which give

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pointers and references to research papers related to the chapter. All these features make the book ideally suited for either introductory courses on data warehousing and data analytics, or even for self-studies

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by professionals. The book is accompanied by a web page that includes all the used datasets and codes as well as slides and solutions to exercises.

Develop a custom, agile data warehousing and business intelligence

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architecture

Empower your users
and drive better

decision making

across your

enterprise with

detailed instructions

and best practices

from an expert

developer and

trainer. The Data

Warehouse Mentor:

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Business Intelligence

Insights shows how
to plan, design,
construct, and
administer an
integrated end-to-
end DW/BI solution.
Learn how to choose
appropriate
components, build an

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enterprise data model, configure data marts and data warehouses, establish data flow, and mitigate risk. Change management, data governance, and security are also covered in this comprehensive guide. Understand

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the components of
BI and data
warehouse systems

Establish project
goals and implement
an effective
deployment plan
Build accurate
logical and physical
enterprise data
models Gain insight
into your company's

Get Free The Data Warehouse Lab A Step By Step transactions with data mining Input, cleanse, and

normalize data using ETL (Extract, Transform, and Load) techniques Use structured input files to define data requirements Employ top-down, bottom-up, and

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hybrid design
methodologies
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Handle security and
optimize
performance using
data governance
tools Robert Laberge
is the founder of
several Internet
ventures and a
principle consultant
for the IBM Industry

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Models and Assets Lab, which has a focus on data warehousing and business intelligence solutions.

Managing the Data Warehouse Adoption of Data Analytics in Higher Education Learning and Teaching

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Business Intelligence

Data Warehousing
with the Informix
Dynamic Server
Co-locating
Transactional and
Data Warehouse
Workloads on
System z

Data Warehousing

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and Analytics

Oracle 10g Data

Warehousing is a

guide to using the

Data Warehouse

features in the latest

version of Oracle

-Oracle Database

10g. Written by

people on the Oracle

development team

that designed and

implemented the

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code and by people with industry experience implementing warehouses using Oracle technology, this thoroughly updated and extended edition provides an insider's view of how the Oracle Database 10g software is best used

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for your application. It provides a detailed look at the new

features of Oracle Database 10g and other Oracle products and how these are used in the data warehouse. This book will show you how to deploy the Oracle database and correctly use the new

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Oracle Database 10g features for your data warehouse. It

contains

walkthroughs and examples on how to use tools such as Oracle Discoverer and Reports to query the warehouse and generate reports that can be deployed over the web and gain

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better insight into your business. This how-to guide

provides step by step instructions

including screen

captures to make it easier to design,

build and optimize performance of the

data warehouse or data mart. It is a

'must have'

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reference for

database developers, administrators and

IT professionals who

want to get to work

now with all of the

newest features of

Oracle Database 10g.

It provides a detailed

look at the new

features of Oracle

Database 10g and

other Oracle

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products and how these are used in the data warehouse,

including: * How to use the Summary Management features, including Materialized Views and query rewrite, to best effect to radically improve query performance *

How to deploy

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**business intelligence
to the Web to satisfy
today's changing and
demanding business
requirements ***

**Using Oracle OLAP
and Data Mining
options * How to
understand the
warehouse hardware
environment and
how it is used by new
features in the**

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database including how to implement a high availability

warehouse

environment * Using the new management infrastructure in

Oracle Database 10g

and how this helps

you to manage your

warehouse

environment

As business cycles

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speed up, many customers gain significant competitive advantage from quicker and more accurate business decision-making by using real data. For many customers, choosing the path to co-locate their transactional and

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analytical workloads on System z® better leverages their

existing investment in hardware, software, and skills.

We created a project to address a number of best practice questions on how to manage these newer, analytical type workloads, especially

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when co-located with traditional transactional workloads. The goal of this IBM® Redbooks® publication is to provide technical guidance and performance trade-offs associated with resource management and

potentially DB2® data-sharing in a variety of mixed transactional / data warehouse System z topologies. The term co-location used here and in the rest of the book is specifically defined as the practice of housing both transactional (OLTP) and data

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warehouse (analytical) workloads within the same System z configuration. We also assumed that key portions of the transactional and data warehouse databases would reside on DB2 for z/OS®. The databases may or

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may not reside in a DB2 data-sharing environment; we discuss those pros and cons in this book. The intended audience includes DB2 data warehouse architects and practitioners who are facing choices in resource management and

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**system topologies in
the data warehouse**

arena. This

**specifically includes
Business Intelligence**

(BI) administrators,

DB2 database

administrators

(DBAs) and z/OS

performance

administrators /

systems

programmers. In

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addition, decision makers and architects can utilize this book to assist in making platform and database topology decisions. The book is divided into four parts. Part I, "Introducing the co-location project" covers the System z value proposition

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**and why one should
consider System z as
the central platform**

for their data

warehousing /

business analytics

needs. Some topics

are risk avoidance

via data

consolidation,

continuous

availability,

simplified disaster

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recovery, IBM Smart Analytics Optimizer, reduced network

bandwidth

requirements, and

the unique

virtualization and

resource

management

capabilities of

System z LPAR,

z/VM® and WLM.

Part I also provides

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some of the common System z co-location topologies along with an explanation of the general pros and cons of each. This would be useful input for an architect to understand where a customer is today and where they might consider

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moving to. Part II, "Project environment" covers the environment, products, workloads, workload drivers, and data models implemented for this study. The environment consisted of a logically partitioned z10™ 32way,

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**running z/VM,
Linux®, and z/OS
operating system**

**instances. On those
instances we ran
products such as
z/OS DB2 V9, IBM
Cognos® Business
Intelligence Version
8.4 for Linux on
System z,
InfoSphere™
Warehouse for**

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**System z, InfoSphere
Change Data**

Capture, z/OS

WebSphere® V7,

**Tivoli® Omegamon
for DB2**

Performance expert.

Utilizing these

products we created

transactional

(OLTP), data

warehouse query,

and data warehouse

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refresh workloads.

All the workloads

were based on an

existing web-based

transactional

Bookstore workload,

that's currently

utilized for internal

testing within the

System p® and z

labs. While some

IBM Cognos BI and

ISWz product usage

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and experiences

information is

covered in this book,

we do not go into the

depth typically found

in IBM Redbooks

publications, since

there's another book

focused specifically

on that

This book aims to

help students and

practitioners who are

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new to data

warehousing to start

developing a new

data warehouse

project from scratch.

It shows different

phases of data

warehousing

projects through a

simple case. So

readers can

experience the full

data warehouse

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development life-cycle through a simple example step-by-step. The book is written for the novice user, so there is no requirement for previous experience of working with MS SQL Server and other tools. However, it expects readers to know basics of

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databases like the table, columns, etc.

The book does not aim to teach data warehousing multi-dimensional design principle, nor play the role of a comprehensive reference book on Microsoft Business Intelligence Toolset. It only intends to

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help readers to gets a hands-on experience on data warehouse

development quickly.

It aims to give

readers basic

understanding and

experience, so they

become more

confident in using

reference books and

online materials. The

book does not go

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through the installation of tools that are used in the

sample project. The readers need to

install the following tools in order to

follow the steps, i.e.,

Microsoft SQL

Server Database

Engine, Microsoft

SQL Server

Integration Services

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**(SSIS) 2017,
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Services (SSAS)

2017, Microsoft SQL

**Server Management
Studio (SSMS),**

**Microsoft Excel, and
Microsoft Power BI.**

Do you enjoy

completing puzzles?

Perhaps one of the

most challenging (yet

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rewarding) puzzles is delivering a successful data

warehouse suitable for data mining and analytics. The Analytical Puzzle describes an unbiased, practical, and comprehensive approach to building a data warehouse which will lead to an

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increased level of business intelligence within your organization. New technologies continuously impact this approach and therefore this book explains how to leverage big data, cloud computing, data warehouse appliances, data

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mining, predictive analytics, data

visualization and

mobile devices. Here are the main

objectives for each of the book's 19

chapters: • Chapter

1: Develop a

foundational

knowledge of data

warehousing,

business intelligence

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Chapter 2: Build the business case needed to sell your data warehousing project, and then produce a project plan that avoids common pitfalls • Chapter 3: Elicit and organize business intelligence and data

warehousing

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business requirements ●
Chapter 4: Specify the technical architecture of the data warehousing system, including software and infrastructure components, technology stack, and non-functional requirements. Gain

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an understanding of cloud based data warehousing and data warehouse appliances • Chapter 5: Learn about data attributes including metrics and key performance indicators (KPIs), the raw material of data warehousing and business

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Chapter 6: Learn about data modeling and how to apply design patterns for each part of the data warehouse • Chapter 7: Speak the dimensional modeling language of measures, dimensions, facts, cubes, stars, and

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Chapter 8: Organize a successful data governance program. Learn how to manage metadata for your data warehousing and business intelligence project • Chapter 9: Identify useful data sources and implement a data

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quality program •

Chapter 10: Use

database technology

for your data

warehousing project,

and understand the

impact of data

warehouse

appliances, big data,

in memory

databases, columnar

databases and

OnLine Analytical

Processing (OLAP) • Chapter 11: Apply data integration and understand the role data mapping, data cleansing, data transformation, and loading data play in a successful data warehouse • Chapter 12: Use the business intelligence (BI) operations of slice,

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**dice, drill down, roll
up, and pivot to
analyze and present**

data • Chapter 13:

Learn about

descriptive and

predictive statistics,

and calculate mean,

median, mode,

variance and

standard deviation •

Chapter 14: Harness

analytical methods

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such as regression analysis, data mining, and statistics to make profitable decisions and anticipate the future

- **Chapter 15:**

Appreciate the components and design patterns that compose a successful analytic application

- **Chapter 16: Gain**

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an understanding of the uses and benefits of scorecards and

dashboards

including support of mobile device users ●

Chapter 17: Gain insight into

applications of business intelligence

that could profit

your organization,

including risk

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management,
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finance, marketing,
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government,

healthcare, science
and sports • Chapter
18: Perform
customer analytics to
better understand
and segment your
customers • Chapter
19: Test, roll out, and
sustain the data
warehouse

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Step By Step

**Google BigQuery:
The Definitive Guide
Business Intelligence
in Microsoft
SharePoint 2010
Oracle 10g Data
Warehousing
Assuring Data
Content, Data
Structures and
Quality
Database Systems:
Design,**

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**Implementation, &
Management
Concepts and
Competitive
Analytics
Practical and
easy to
understand,
DATABASE
SYSTEMS:
DESIGN, IMPLE
MENTATION,**

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**AND
MANAGEMENT,
Eleventh**

Edition, gives students a solid foundation in database design and implementation. Filled with visual aids such as diagrams,

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**illustrations,
and tables, this
market-leading
text provides in-
depth coverage
of database
design,
demonstrating
that the key to
successful
database
implementation**

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is in proper design of databases to fit within a larger strategic view of the data environment. Renowned for its clear, straightforward writing style, this text

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provides students with an outstanding balance of theory and practice. The eleventh edition has been updated to include expanded relational

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and develop real
and useful
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**and experiences
gained over 10
years and offers
the most
comprehensive,
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to designing,
building, and
implementing a
successful data
warehouse.**

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vital

information is

an explanation

of the optimal

three-tiered

architecture for

the data

warehouse, with

a clear division

between data

and information.

Information

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systems

managers will

appreciate the

full description

of the functions

needed to

implement such

an architecture,

including

reconciling

existing, diverse

data and

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**deriving
consistent,
valuable
business
information.**

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Practice in
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Methods in Data
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**Pathologist
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**MEDINFO 2019:
Health and
Wellbeing e-
Networks for All**

The book aims to
advance global
knowledge and

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practice in
applying data
science to

transform higher
education

learning and

teaching to

improve

personalization,

access and

effectiveness of

education for all.

Currently, higher

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education institutions and involved stakeholders can derive multiple benefits from educational data mining and learning analytics by using different data analytics strategies to produce

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summative, real-time, and predictive or

prescriptive insights and recommendations.

Educational data mining refers to the process of extracting useful information out of a large collection of complex

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educational datasets while learning analytics emphasizes insights and responses to real-time learning processes based on educational information from digital learning environments, administrative

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systems, and social platforms. Guide Using Ssis And Ssas 2017

This volume provides insight into the emerging paradigms, frameworks, methods and processes of managing change to better facilitate organizational transformation

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toward

implementation

of educational

data mining and

learning

analytics. It

features current

research

exploring the (a)

theoretical

foundation and

empirical

evidence of the

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adoption of learning analytics, (b) technological infrastructure and staff capabilities required, as well as (c) case studies that describe current practices and experiences in the use of data

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analytics in higher education. U.S. Army installations are enterprises performing tasks such as management of funds, budgeting, estimating, managing facilities, maintaining

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facilities, providing training, complying with environmental and safety laws and regulations. Installations use many database management and operational systems to conduct these tasks. A data

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warehouse is a single store of information to answer complex queries from management using cross-functional data to perform advanced data analysis methods and to compare with historical

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data. In the data warehousing approach, the cleansed and transformed data from several operational systems is stored in a single integrated repository of information. This approach

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provides easy access to needed data, improves system response time, and enhances data integrity. If designed and developed properly, an Army installation data warehouse has the potential to

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improve efficiencies and produce a

positive return-on-investment.

Dive into the business intelligence (BI)

features in SharePoint 2010—and use the right combination of

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tools to deliver compelling solutions. This practical guide helps you explore several BI application services available in SharePoint 2010 and Microsoft SQL Server 2008 R2. You'll learn each

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technology with step-by-step instructions, and determine which ones work best in specific BI scenarios—whether you're a SharePoint administrator, SQL Server developer, or business analyst.

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Choose the BI tools that meet your needs—and learn how they work together
Examine the BI lifecycle, from determining key performance indicators to building dashboards
Take Microsoft Excel

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further—gain more control and functionality with

web-based Excel Services Mash up data from

multiple sources using PowerPivot for Excel 2010

Create data visualizations with objects, context, and

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metrics using
Microsoft Visio
Services Build
dashboards,
scorecards, and
other monitoring
and analysis tools
with

PerformancePoint
Services Use
SharePoint to
view BI reports
side by side, no

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matter which tools were used to produced them

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Valliappa Lakshmanan, tech lead for Google Cloud Platform, and

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Jordan Tigani, engineering director for the BigQuery team, provide best practices for modern data warehousing within an autoscaled, serverless public cloud. Whether you want to

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explore parts of BigQuery you're not familiar with or prefer to focus on specific tasks, this reference is indispensable.

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Testing the Data Warehouse

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Agile Data

Warehousing for the Enterprise

Building upon

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his earlier book that detailed agile data warehousing programming techniques for the Scrum master, Ralph's latest work illustrates the agile interpretations

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of the remaining software

engineering disciplines:
Requirements management
benefits from streamlined templates that not only define projects quickly, but

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ensure nothing essential is overlooked.

Data engineering receives two new "hyper modeling" techniques, yielding data warehouses that can be easily adapted when

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change without
having to

invest in
ruinously
expensive data-
conversion
programs.

Quality
assurance
advances with
not only a
stereoscopic

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teammates the
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and most
reliable
techniques for
creating
business
intelligence
systems, or

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is building
your next
decision
support system
the right way.
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architecture
before

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data

engineering
that enable
iterative and
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Demonstrates
how to plan and
execute quality

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assurance plans
and includes a
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continuous
integration and
automated
regression
testing

Presents
program
management
strategies for
coordinating

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multiple agile
data mart
projects so
that over time
an enterprise
data warehouse
emerges Use the
provided
120-day road
map to
establish a
robust, agile
data

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warehousing program
SAS software
has been in
existence for a
long time and
has been
implemented in
large, data-
intensive
environments,
including data
warehouses.

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companies to
access and
analyze

operational and
historical
information,
whether
structured or
unstructured,
to gain
business
insight for
improved

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decision making.

InfoSphere

Warehouse

solutions

simplify the

processes of developing and

maintaining a

data

warehousing

infrastructure

and can

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significantly enhance the time to value for business analytics. The InfoSphere Warehouse platform provides a fully integrated environment built around

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IBM DB2® 9.7

server

technology on

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and Microsoft®

Windows®

platforms, as

well as System

z®. Common user

interfaces

support

application

development,

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data modeling and mapping, SQL

SSAS 2017 transformation, online application processing (OLAP) and data mining functionality from virtually all types of information.

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Composed of a component-based architecture, it extends the DB2 data warehouse with design-side tooling and runtime infrastructure for OLAP, data mining, inLine analytics and

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intra-warehouse data movement and

transformation, on a common platform.

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Warehousing and Business

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developing open source based data

warehousing (DW) and business intelligence (BI) solutions that are busine ss-centric, cross-customer viable, cross-functional, cro

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Data

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Biomedical
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*Provides
developments and
research, as well
as current
innovative
activities in data*

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warehousing and business intelligence.

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*designing and
building an
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*data warehouse
across a*

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healthcare*

*institution, using a
four-iteration*

*lifecycle and
standardized*

design pattern. It

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solutions About

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components to
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monitor, and
schedule ETL
processes with a
practical approach.
An ideal guide to
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consumption Who

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environments and

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you will learn all

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basic knowledge

of programming

and data

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warehouse concepts is essential. What

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PowerCenter tool
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administrative
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various developer
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PowerCenter

*screens such as
Designer,
Workflow
Manager,
Workflow Monitor,
and Repository
Manager. Get
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*various sections of
Informatica*

*PowerCenter, such
as navigator,*

toolbar,

*workspace, control
panel, and so on*

*Leverage basic
and advanced*

*utilities, such as
the debugger,*

target load plan,

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and incremental aggregation to process data

Implement data warehousing concepts such as schemas and SCDs using Informatica Migrate various components, such as sources and

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*targets, to another
region using the
Designer and*

Repository

Manager screens

Enhance code

*performance using
tips such as*

pushdown

*optimization and
partitioning In*

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*Informatica
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*powerful features
such as working
on sources,
targets,
transformations,
performance
optimization,
scheduling,
deploying for
processing, and*

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data
transformation
technique,
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many new
advanced
features, this book
will help you
understand and
process data for*

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version 10.x. Style

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You'll get hand-on
with sources,
targets,
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you can accelerate data-intensive and complex queries in

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highly secure and available

environment. DB2 and the Analytics

Accelerator

appliance form a self-managing

hybrid environment

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*running online
transaction
processing and*

online

transactional

analytical

processing

concurrently and

efficiently. These

online transactions

run together with

business

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*intelligence and
online analytic
processing*

workloads. DB2

Analytics

Accelerator V4.1

*expands the value
of high-*

performance

analytics. DB2

Analytics

Accelerator V4.1

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*opens to static
Structured Query
Language (SQL)*

*applications and
row set*

processing,

*minimizes data
movement,*

*reduces latency,
and improves*

*availability. This
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*publication
provides technical
decision-makers*

*with an
understanding of
the benefits of
version 4.1 of the
Analytics*

*Accelerator with
DB2 11 for z/OS. It
describes the
installation of the*

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new functions, and the advantages to existing analytical

processes as measured in our test environment.

This book also introduces the DB2 Analytics Accelerator Loader V1.1, a tool that facilitates the data

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*population of the
DB2 Analytics
Accelerator.*

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and Business
Intelligence
Insights
Data Warehouse
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Data Warehouse

Architecture for

Army Installations

Mastering SAS

Programming for

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Combining and

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integrating cross-institutional data remains a challenge for both researchers and those involved in patient care. Patient-generated data can contribute precious information to healthcare

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professionals by enabling monitoring under normal life conditions and also helping patients play a more active role in their own care.

This book presents the proceedings of MEDINFO 2019,

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the 17th World Congress on Medical and Health Informatics, held in Lyon, France, from 25 to 30 August 2019. The theme of this year's conference was 'Health and Wellbeing: E-Networks for All', stressing the

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increasing importance of networks in healthcare on the one hand, and the patient-centered perspective on the other. Over 1100 manuscripts were submitted to the conference and, after a thorough review process by

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at least three reviewers and assessment by a

scientific program committee

member, 285

papers and 296

posters were

accepted, together

with 47 podium

abstracts, 7

demonstrations,

45 panels, 21

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workshops and 9
tutorials. All
accepted paper

and poster
contributions are
included in these
proceedings. The
papers are
grouped under
four thematic
tracks: interpreting
health and
biomedical data,

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supporting care delivery, enabling precision medicine and public health, and the human element in medical informatics. The posters are divided into the same four groups. The book presents an overview of state-of-the-art

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informatics projects from multiple regions of the world; it will be of interest to anyone working in the field of medical informatics.

Self-assessment
Q&A in Clinical
Laboratory
Science, III, adds a
variety of subject

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matter that addresses new concepts and emerging technology, particularly in the areas of kidney biomarkers, cancer biomarkers, molecular diagnostics, multiple myeloma,

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pharmacogenomic
s, novel
cardiovascular

biomarkers and

biomarkers of

neurologic

diseases. The field

of Clinical

Laboratory

Science continues

to evolve and

editor Alan Wu has

once again

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brought together experts in the field to cover the

contemporary topics that are being tested today. This updated bank of questions and answers is a must-have to sharpen knowledge and skills. Contains nearly 800 multiple

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e"-Everything you
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Coauthored by W. H. Inmon, the man who started the data warehouse revolution, this book is written for those charged with the job of

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companies' data
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efficiently, and
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detail are: *

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warehouse data,
operations, and
performance *

Managing data
warehouse

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Administering

metadata

management *

Selecting and managing end-user tools and

interfaces * Data warehouse

refreshment *

Managing

summary data *

Managing data

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enterprise data

warehouse and

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intelligence

environments with

next-generation

big data

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technologies. Next-
Generation Big
Data takes a

holistic approach,
covering the most
important aspects
of modern

enterprise big
data. The book
covers not only
the main

technology stack
but also the next-

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generation tools
and applications
used for big data
warehousing, data
warehouse
optimization, real-
time and batch
data ingestion and
processing, real-
time data
visualization, big
data governance,
data wrangling, big

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data cloud deployments, and distributed in-memory big data computing. Finally, the book has an extensive and detailed coverage of big data case studies from Navistar, Cerner, British Telecom, Shopzilla,

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Thomson Reuters, and Mastercard.

What You'll Learn

Install Apache

Kudu, Impala, and

Spark to

modernize

enterprise data

warehouse and

business

intelligence

environments,

complete with real-

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world, easy-to-
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follow examples,
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and practical

advice Integrate

HBase, Solr,

Oracle, SQL

Server, MySQL,

Flume, Kafka,

HDFS, and

Amazon S3 with

Apache Kudu,

Impala, and Spark

Use StreamSets,

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Talend, Pentaho,
and CDAP for real-
time and batch

data ingestion and
processing Utilize
Trifacta, Alteryx,
and Datameer for
data wrangling and
interactive data
processing

Turbocharge
Spark with Alluxio,
a distributed in-

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memory storage
platform Deploy
big data in the

cloud using
Cloudera Director
Perform real-time
data visualization
and time series
analysis using
Zoomdata, Apache
Kudu, Impala, and
Spark Understand
enterprise big data

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topics such as big data governance, metadata

management, data lineage, impact analysis, and policy

enforcement, and how to use

Cloudera

Navigator to

perform common data governance

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tasks Implement
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big data use cases
such as big data
warehousing, data
warehouse
optimization,
Internet of Things,
real-time data
ingestion and
analytics, complex
event processing,
and scalable
predictive

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real-world big data
case studies from

innovative

companies,

including Navistar,

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Who This Book Is

For BI and big data

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warehouse professionals interested in gaining practical and real-world insight into next-generation big data processing and analytics using Apache Kudu, Impala, and Spark; and those who want to learn

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Warehouse Toolkit

Encyclopedia of

Data Warehousing

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Written in lucid language, this valuable textbook brings together fundamental concepts of data mining and data warehousing in a single volume.

Important topics including information theory, decision tree, Nave Bayes classifier,

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distance metrics, partitioning clustering, associate mining, data marts and operational data store are discussed

comprehensively. The textbook is written to cater to the needs of undergraduate students of computer science, engineering and information

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technology for a course on data mining and data warehousing.

The text simplifies the understanding of the concepts through exercises and practical examples. Chapters such as classification, associate mining and cluster analysis are discussed in detail with their practical

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implementation using Weka and R language data mining tools.

Advanced topics including big data analytics, relational data models and NoSQL are discussed in detail. Pedagogical features including unsolved problems and multiple-choice questions are

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interspersed throughout the book for better understanding.

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and services, and help maintain a just-in-time, lean, and more affordable medical services. You learn how to automate your pharmacy and laboratory services for maximum profit and minimum turnaround time. Moreover, this forward-looking book helps you determine

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publication describes

the technical

information and

demonstrates the

functions and

capabilities of the

Informix Dynamic

Server Warehouse

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you understand how to develop a data warehousing architecture and infrastructure to meet your particular requirements, with the Informix Dynamic Server. It can also enable you to transform and manage your operational data, and use it to populate

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your data warehouse.
With that new data
warehousing

environment, you can
support the data
analysis and decision-
making that are
required as you
monitor and manage
your business
processes, and help
you meet your
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Infrastructure for
Business Intelligence
The Data Catalog:
Sherlock Holmes Data
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Encyclopedia of Data
Warehousing and
Mining, Second
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Oracle 10g Data
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features in the latest version of Oracle

—Oracle Database

10g. Written by people on the Oracle development team that designed and implemented the code and by people with industry experience implementing warehouses using Oracle technology, this thoroughly

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updated and extended edition provides an insider's view of how the Oracle Database 10g software is best used for your application. It provides a detailed look at the new features of Oracle Database 10g and other Oracle products and how these are used in the data

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warehouse. This book will show you how to deploy the Oracle

database and

correctly use the new Oracle Database 10g features for your data warehouse. It

contains walkthroughs and examples on how to use tools such as Oracle Discoverer and Reports to query the warehouse and

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generate reports that can be deployed over the web and gain better insight into your business. This how-to guide provides step by step instructions including screen captures to make it easier to design, build and optimize performance of the data warehouse or data mart. It is a 'must

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demanding business requirements Using

Oracle OLAP and

Data Mining options

How to understand

the warehouse

hardware

environment and how

it is used by new

features in the

database including

how to implement a

high availability

warehouse

Get Free The Data Warehouse Lab A Step By Step environment Using the new management infrastructure in

Oracle Database 10g and how this helps you to manage your warehouse environment

The quality of a data warehouse (DWH) is the elusive aspect of it, not because it is hard to achieve [once we agree what it is],

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but because it is difficult to describe. We propose the notion that quality is not an attribute or a feature that a product has to possess, but rather a relationship between that product and each and every stakeholder. More specifically, the relationship between the software quality

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and the organization that produces the products is explored.

Quality of data that populates the DWH is the main concern of the book, therefore we propose a definition for data quality as: fitness to serve each and every purpose. Methods are proposed throughout the book to help

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readers achieve data warehouse quality.

Apply this definitive guide to data catalogs and select the feature set needed to empower your data citizens in their quest for faster time to insight. The data catalog may be the most important breakthrough in data management in the

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last decade, ranking alongside the advent of the data warehouse. The latter enabled business consumers to conduct their own analyses to obtain insights themselves. The data catalog is the next wave of this, empowering business users even further to drastically reduce

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time to insight, despite the rising tide of data flooding the enterprise. Use this book as a guide to provide a broad overview of the most popular Machine Learning (ML) data catalog products, and perform due diligence using the extensive features list. Consider graphical user

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interface (GUI) design issues such as layout and navigation, as well as scalability in terms of how the catalog will handle your current and anticipated data and metadata needs.

O'Neil & Fryman...present a typology which ranges from products that focus on data lineage,

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curation and search, data governance, data preparation, and of course, the core capability of finding and understanding the data. The authors emphasize that machine learning is being adopted in many of these products, enabling a more elegant data democratization

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solution in the face of the burgeoning mountain of data that is engulfing

organizations. Derek Strauss,

Chairman/CEO,

Gavroshe, and

Former CDO, TD

Ameritrade This book

is organized into three

sections: - Chapters 1

and 2 reveal the

rationale for a data

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catalog and share how data scientists, data administrators, and curators fare with and without a data catalog. · Chapters 3-10 present the many different types of data catalogs. · Chapters 11 and 12 provide an extensive features' list, current trends, and visions for the future.

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