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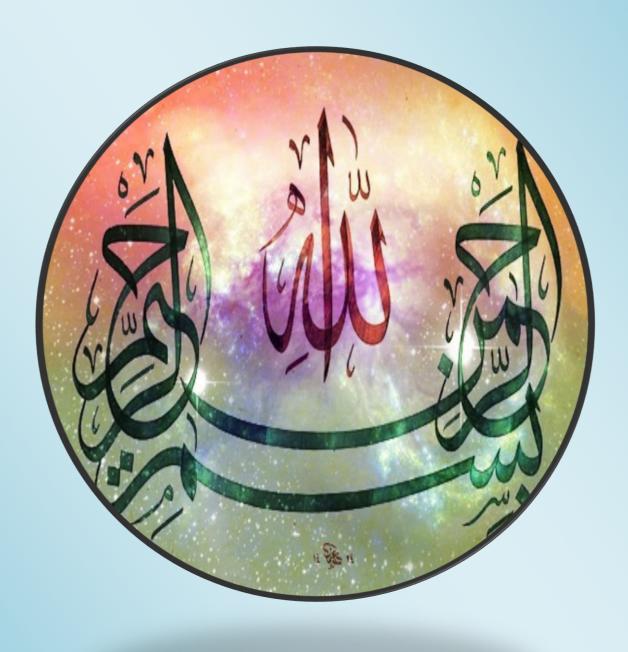
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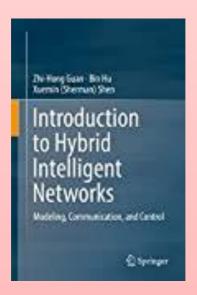


# **Introduction to Hybrid Intelligent Networks**

Introduction to hybrid intelligent networks covers hybrid impulsive neural Network and multi-agent networks, and relevant new results on hybrid Architecture of communication, control and optimization in network environments. A state-of-the-art overview of theories, methodologies and applications. The book is useful guideline to hybrid intelligence in the Internet of Things. Hybrid intelligent architectures targeted in this book provides a practical mode of human-robot interactions in the IoT.

Author: Zhi-Hong Guan Publisher Springer

- **Chapter 1.** Hybrid Intelligent Networks
- Chapter 2. Delayed Hybrid Impulsive Neural Networks
- Chapter 3. Hybrid Impulsive Neural Networks with Interval-Uncertain Weights
- **Chapter 4.** Multi stability of Delayed Hybrid Impulsive Neural Networks
- **Chapter 5.** Impulsive Neural Networks towards Image Protection
- **Chapter 6.** Hybrid Memristor-Based Impulsive Neural Networks
- Chapter 7. Hybrid Impulsive and Switching Control and Its Application to Nonlinear Systems
- **Chapter 8.** Hybrid Communication and Control in Multi-Agent Networks
- Chapter 9. Event-Driven Communication and Control in Multi-Agent Networks
- Chapter 10. Hybrid Event-Time-Driven Communication and Network Optimization



# **A Concise Introduction to Machine Learning**

A Concise Introduction to Machine Learning is emphasis is on the question of why - only if why an algorithm is successful is understood, it can be properly applied, and the results trusted. Algorithms are often taught side by side without showing the similarities and differences between them. This book addresses the commonalities, and aims to give a thorough and in-depth treatment and develop intuition, while remaining concise.

Author: A.C. Faul Publisher: CRC Press

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• Chapter 1. Introduction

• **Chapter 2.** Probability theory

• Chapter 3. Sampling

• Chapter 4. Linear Classification

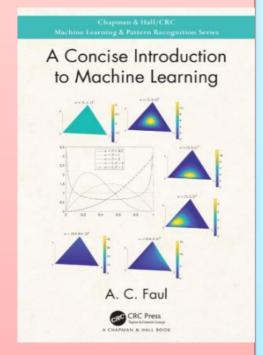
• Chapter 5. Non-linear Classification

• Chapter 6. Clustering

• Chapter 7. Dimensionality Reduction

• Chapter 9. Regression

• Chapter 10. Feature Learning



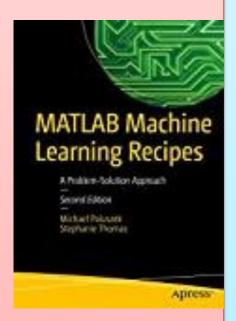
# **MATLAB Machine Learning Recipes**

MATLAB Machine Learning Recipes: A Problem-Solution Approach provides a series of examples of technologies critical to machine learning. Each example solves a real-world problem. All code in MATLAB Machine Learning Recipes: A Problem-Solution Approach is executable. The toolbox that the code uses provides a complete set of functions needed to implement all aspects of machine learning.

Author: Michael Paluszek

Publisher: APress

- An Overview of machine Learning
- Representation of data for machine learning in MATLAB
- MATLAB Graphics
- Kalman Filters
- Adaptive Control
- Fuzzy Logic
- Data Classification with Decision Trees
- Introduction to Neural Nets
- Classification of Numbers using neural Networks
- Pattern recognition with Deep Learning
- Neural Aircraft Control
- Multiple Hypothesis Testing
- Autonomous driving with Multiple Hypothesis Testing
- Case-Based Expert Systems
  - A. A Brief History of Autonomous Learning
  - B. Software for machine Learning



# Measuring Data, the Universe

Measuring the Data Universe provides an easy-to-read introduction to the challenges of organizing and integrating modern data worlds, explaining the contribution of public statistics and the ISO standard SDMX (Statistical Data and Metadata Exchange). As such, it is a must for data experts as well those aspiring to become one. The rapid increase in the amount of globally available data, fueled by search engines and social networks but also by new technical possibilities such as Big Data, offers great opportunities.

**Author:** Reinhold Stahl

**Publisher:** Springer International

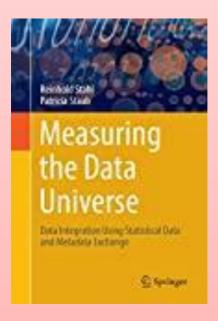
# CONTENTS

# • Part I. Creating comprehensive data worlds using standardization

- 1. Where We Stand, Where We Want to be, & How to Get There
- 2. What Does Reality Look Like
- 3. What Can We Expect From Big Data
- 4. Why Is Data Integration So Hard
- 5. Basic Thoughts about Standardization
- 6. Standardization & Research
- 7. Introducing Standards Successfully
- 8. Statistics Driving Successful Data Integration
- 9. Contribution of the Statistic Standard SDMX
- 10. Conclusion & Outlook

# Part II. The Statistics Standard SDMX

- 1. History of SDMX
- 2. The main Elements of SDMX
- 3. Working with SDMX
- 4. SDMX as a Key Success Factor for data Integration

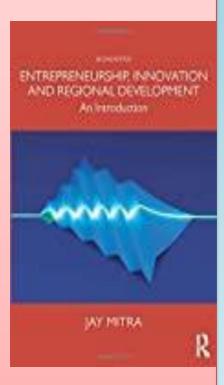


# Entrepreneurship, Innovation & Regional Development

Entrepreneurship, Innovation and Regional Development is unique in that it addresses the central factors in economic development - entrepreneurship, innovation and organizational learning - as regional phenomena. This definitive text focuses on different types of organizations to illustrate the value of entrepreneurship and innovation both for businesses and for regional development.

Author: Jay Mitra Publisher: Routledge

- Entrepreneurship, innovation & Regional Development: an Eclectic Introduction
- Entrepreneurial Opportunity: Conditions and Circumstances for Innovation and New Firm Creation
- Entrepreneurship Theories: The fundamental Economic Arguments
- The Social Dimensions of Entrepreneurship
- Entrepreneurial people
- The Entrepreneurial Organization
- The Entrepreneurial Environment: Context, Institutions, Constraints and Framework Conditions
- Entrepreneurship and Learning.
- Entrepreneurship, Internationalization and Globalization: Learning, Innovation and Development in the International Context
- Higher Education, Universities and Entrepreneurship
- Entrepreneurship Policy: Its Emergence, Scope and Value
- Entrepreneurship, Innovation and Economic Development
- Conclusion: Future Directions & The Romance of Entrepreneurship



# **Entrepreneurial Financial Management**

Entrepreneurial Financial Management: An Applied Approach is a classic and comprehensive resource presents an applied, realistic view of entrepreneurial finance for today's entrepreneurs, completely updated to address the latest trends and technologies. The book provides an integrated set of concepts and applications, drawing from entrepreneurship, finance and accounting, that will prepare aspiring entrepreneurs for the World they will most likely face as they start their new businesses.

**Author:** Jeffrey R.Cornwall

**Publisher:** Routledge

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#### 1.Introduction

- PART I BUILDING A FINANCIAL FORECAST
  - 2 Setting Financial Goals
  - 3 Understanding Financial Statements
  - 4 Revenue Forecasting
  - **5** Expense Forecasting
  - **6** Integrated Financial Model Drivers and Metrics
- PART II

# MANAGING THE FINANCIAL RESOURCES OF A VENTURE

- 7 Monitoring Financial Performance
- **8** Day-to-Day Cash Flow Management and Forecasting
- PART III

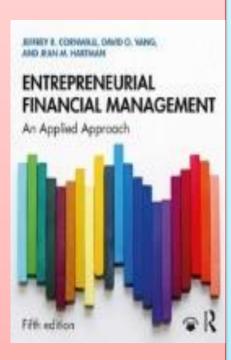
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- 11 Bootstrapping
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#### PLANNING FOR THE ENTREPRENEUR'S TRANSITION

- 15 Business Valuation Product Availability to Profits
- **16** Exit Planning



#### **Natural Language Processing Recipes**

Natural Language Processing Recipes Implement natural language processing applications with Python using a problem-solution approach. This book has numerous coding exercises that will help you to quickly deploy natural language processing techniques, such as text classification, parts of speech identification, topic modeling, text summarization, text generation, entity extraction, and sentiment analysis.

Author: Akshay Kulkarni

**Publisher:** Apress

# CONTENTS

• **Chapter 1:** Extracting the Data

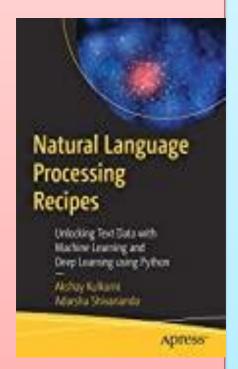
• Chapter 2: Exploring and Processing Text Data

• **Chapter 3:** Converting Text to Features

• Chapter 4: Advanced Natural Language Processing

• **Chapter 5:** Implementing Industry Applications

• Chapter 6: Deep Learning for NLP

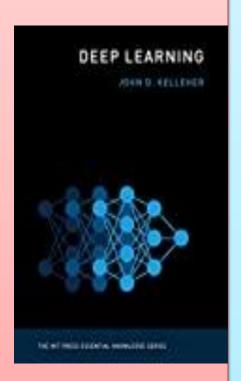


# **Deep Learning**

Deep learning is an artificial intelligence technology that enables computer vision, speech recognition in mobile phones, machine translation, AI games, driverless cars, and other applications. Author explains that deep learning enables data-driven decisions by identifying and extracting patterns from large datasets; its ability to learn from complex data makes deep learning ideally suited to take advantage of the rapid growth in big data and computational power. Kelleher also explains some of the basic concepts in deep learning, presents a history of advances in the field, and discusses the current state of the art. He describes the most important deep learning architectures, including auto encoders, recurrent neural networks, and long short-term networks, as well as such recent developments as Generative Adversarial Networks and capsule networks.

Author: John D. Kelleher Publisher: The Mit Press

- Introduction to Deep Learning
- Conceptual Foundations
- Neural Networks: The Building Blocks of Deep Learning
- A Brief History of Deep Learning
- Convolutional and Recurrent Neural Networks
- Learning Functions
- The Future of Deep Learning



# **Machine learning for dummies**

Machine Learning dummies is a no-nonsense guide to making sense of machine learning Machine learning can be a mind-boggling concept for the masses, but those who are in the trenches of computer programming know just how invaluable it is. Machine Learning for Dummies offers a much-needed entry point for anyone looking to use machine learning to accomplish practical tasks. Covering the entry-level topics needed to get you familiar with the basic concepts of machine learning, this guide quickly helps you make sense of the programming languages and tools you need to turn machine learning-based tasks into a reality.

Author: John Paul Mueller Publisher: John Wiley & Sons

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• Part 1: Introducing How Machines Learn

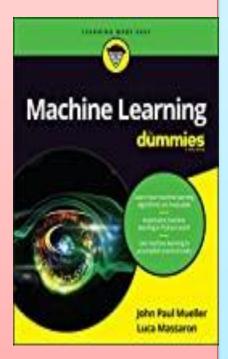
• Part 2: Preparing Your Learning Tools

• Part 3: Getting Started with the Math Basics

• Part 4: Learning from Smart and Big Data

• Part 5: Applying Learning to Real Problems

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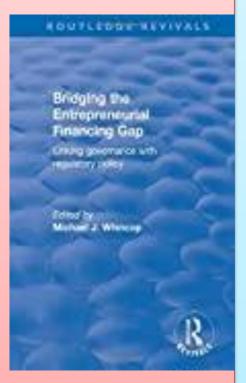
# **Bridging the Entrepreneurial Financial Gap**

Governments world-wide have developed policies to encourage innovation, entrepreneurship, and small firm growth, and to increase access to small firm finance. However, the effectiveness of small firms and entrepreneurs as innovators depends on their incentives and the effective governance of relations between entrepreneurs, investors, and employees. This book links these regulatory policies to the ethical and governance practices of small firms, in order to explain the impact and success these policies might be expected to enjoy. The book examines the empirical and theoretical nature of governance practices in small firms, as well as a range of regulatory policy areas, including intellectual property, insolvency law, taxation, securities regulation, and directors' duties in Australia, Europe, and North America.

Author: Michael J. Whincop

Publisher: Routledge

- The Gap into governance.
- The demography of investor heaven: international research on the attitudes, behavior and characteristics of business angels.
- Angel investors and the angel capital electronic network.
- What economists have taught us about venture capital contracting?
- Entrepreneurial governance.
- SMEs small in business and small in ethics?
- Rethinking receivership.
- The role of the enterprise market in SME finance in Australia.
- The changing face of Australian intellectual property Law: an economic and comparative perspective.
- Investing in the future taxation issues.
- Some international comparisons in the provision of Tax incentives to SMEs.

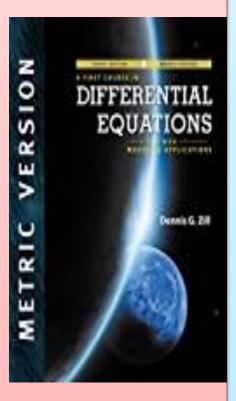


# **Differential Equations**

Differential equations are the classic edition of Zill's respected book was designed for instructors who prefer not to emphasize technology, modeling, and applications, but instead want to focus on fundamental theory and techniques. Zill's CLASSIC EDITION, a reissue of the fifth edition, offers his excellent writing style, a flexible organization, an accessible level of presentation, and a wide variety of examples and exercises, all of which make it easy to teach from and easy for readers to understand and use.

Author: Dennis G. Zill Publisher: Cengage Learning

- Introduction to differential equations
- First-order differential equations
- Modeling with first-order differential equations
- Higher-order differential equations
- Modeling with Higher-order differential equations
- Series solutions of Linear equations
- The Laplace transform
- Systems of linear first -Order differential equations
- Numerical Solution of ordinary differential equations



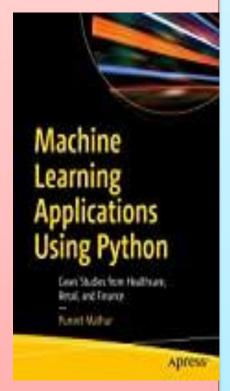
# **Machine Learning Applications Using Python**

Machine Learning Applications Using Python is divided into three sections, one for each of the domains (healthcare, finance, and retail). Each section starts with an overview of machine learning and key technological advancements in that domain. One can learn more by using case studies on how organizations are changing the game in their chosen markets. This book has practical case studies with Python code and domain-specific innovative ideas for monetizing machine learning.

**Author:** Puneet Mathur

**Publisher:** Apress

- Chapter 1: Overview of Machine Learning in Healthcare
- Chapter 2: Key Technological advancements in Healthcare
- Chapter 3: How to Implement Machine Learning in Healthcare
- Chapter 4: Case Studies in Healthcare AI
- Chapter 5: Pitfalls to Avoid with Machine Learning in Healthcare
- Chapter 6: Monetizing Healthcare Machine Learning
- Chapter 7: Overview of Machine Learning in Retail
- Chapter 8: Key Technological Advancements in Retail
- Chapter 9: How to Implement Machine Learning in Retail
- Chapter 10: Case Studies in Retail AI
- Chapter 11: Pitfalls to Avoid With Machine Learning in Retail
- Chapter 12: Monetizing Retail Machine Learning
- Chapter 13: Overview of Machine Learning in Finance
- Chapter 14: Key Technological Advancements in Finance
- Chapter 15: How to Implement Machine Learning in Finance
- Chapter 16: Case Studies in Finance AI
- Chapter 17: Pitfalls to Avoid with Machine Learning in Finance
- Chapter 18: Monetizing Finance Machine Learning



# **Machine Learning with Microsoft Technologies**

Machine Learning with Microsoft Technologies teaches you to do predictive, descriptive, and prescriptive analyses with Microsoft Power BI, Azure Data Lake, SQL Server, Stream Analytics, Azure Data bricks, HD Insight, and more. This book simplifies the process of choosing the right architecture and tools for doing machine learning based on your specific infrastructure needs and requirements. This Book Is for Data scientists, data analysts, developers, architects, and managers who want to leverage machine learning in their products, organization, and services, and make educated, cost-saving decisions about their ML architecture and tool set.

Author: Leila Etaati

**Publisher:** Apress

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# **Part 1: Getting Started**

- Chapter 1: Introduction to Machine Learning
- Chapter 2: Introduction to R
- **Chapter 3:** Introduction to Python
- Chapter 4: Visualization in power BI

# Part 2: Machine Learning with R & Power BI

- Chapter 5: Business Understanding
- Chapter 6: Data Wrangling for Predictive Analysis
- Chapter 7: Predictive Analysis in Power Query with R
- Chapter 8: Descriptive Analysis in Power Query with

# **Part 3: Machine Learning SQL Server**

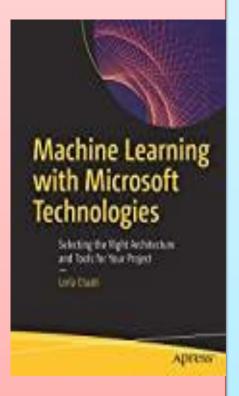
- Chapter 9: Using R with SQL Server 2016 and 2017
- Chapter 10: Azure Data bricks

## **Part 4: Machine Learning in Azure**

- Chapter 11: R in Azure Data Lake
- Chapter 12: Azure Machine Learning Studio
- Chapter 13: Machine Learning in Azure Stream Analytics
- Chapter 14: Azure Machine Learning (ML) Workbench
- Chapter 15: Machine Learning on HD Insight
- Chapter 16: Data Science Virtual Machine and AI Frameworks
- Chapter 17: Deep Learning Tools with cognitive Toolkit (CNTK)

#### **Part 5: Data Science Virtual Machine**

- Chapter 18: Cognitive services Toolkits
- **Chapter 19:** higher-order Framework
- Chapter 20: Overview of Microsoft Machine Learning Tools



# Machine Learning & AI Healthcare

Machine Learning & AI for Healthcare offers a guided tour of machine learning algorithms, architecture design, and applications of learning in healthcare and big data challenges. It provides techniques on how to apply machine learning within your organization and evaluate the efficacy, suitability, and efficiency of AI applications. These are illustrated through leading case studies, including how chronic disease is being redefined through patient-led data learning and the Internet of Things.

Author: Arjun Panesar

Publisher Apress

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• Chapter 1: What Is Artificial Intelligence?

• Chapter 2: Data

• Chapter 3: What Is Machine Learning?

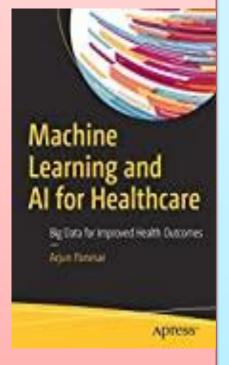
• Chapter 4: Machine Learning Algorithms

• Chapter 5: Evaluating Learning for Intelligence

• Chapter 6: Ethics of Intelligence

• **Chapter 7:** Future of Healthcare

• Chapter 8: Case Studies



# Rethinking productivity in Software Engineering

Rethinking Productivity in Software Engineering, includes chapters covering definitions and core concepts related to productivity, guidelines for measuring productivity in specific contexts, best practices and pitfalls, and theories and open questions on productivity. Readers may benefit from the many short chapters, each offering a focused discussion on one aspect of productivity in software engineering. Users may learn: review the definitions and dimensions of software productivity, see how time management is having the opposite of the intended effect, develop valuable dashboards, understand the impact of sensors on productivity, avoid software development waste, work with human-centered methods to measure productivity, look at the intersection of neuroscience and productivity and manage interruptions and context-switching.

Author: Caitlin Sadowski Publisher: Apress open

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# Part I. Measuring Productivity: No Silver Bullet

- Chapter 1: The Mythical 10x Programmer
- Chapter 2: No Single Metric Captures Productivity
- **Chapter 3:** Why We Should Not Measure Productivity

# **Part II.** Introduction to Productivity

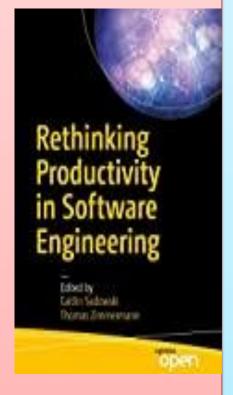
- **Chapter 4:** Defining Productivity in Software Engineering
- **Chapter 5:** A Software Development Productivity Framework
- **Chapter 6:** Individual, Team, Organization, and Market: Four Lenses of Productivity
- Chapter 7: Software Productivity through the Lens of Knowledge Work to Productivity

# Part III. The Context of Productivity

- Chapter 8: Factors That Influence Productivity: A Checklist
- Chapter 9: How Do Interruptions Affect Productivity?
- Chapter 10: Happiness and the Productivity of Software Engineers
- Chapter 11: Dark Agile: Perceiving People as Assets, Not Humans

#### Part IV. Measuring Productivity in Practice

- Chapter 12: Developers' Diverging Perceptions of Productivity
- Chapter 13: Human-Centered Methods to Boost Productivity
- Chapter 14: Using Biometric Sensors to Measure Productivity
- Chapter 15: How Team Awareness Influences Perceptions of Developer Productivity
- Chapter 16: Software Engineering Dashboards: Types, Risks, and Future
- Chapter 17: The COSMIC Method for Measuring the Work-Output Component of Productivity
- Chapter 18: Benchmarking: Comparing Apples to Apples

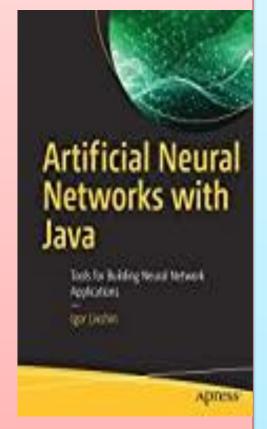


# Artificial Neural Network with Java

Artificial Neural Networks with java covers the internals of front and back propagation, and facilitates the understanding of the main principles of neural network processing. Artificial Neural Networks with Java also teaches you how to prepare the data to be used in neural network development and suggests various techniques of data preparation for many unconventional tasks.

Author: Igor Livshin Publisher: Apress

- Chapter 1. Learning Neural Network
- Chapter 2. Internal Mechanism of Neural Network Processing
- Chapter 3. Manual Neural Network Processing
- Chapter 4. Configuring Your Development Environment
- Chapter 5. Neural Network Development Using Java Encog Framework
- **Chapter 6.** Neural Network Prediction Outside of the Training Range
- Chapter 7. Processing Complex Periodic Functions
- **Chapter 8.** Approximating Non-Continuous Functions
- **Chapter 9.** Approximation Continuous Functions with Complex Topology
- Chapter 10. Using Neural Network for Classify Objects
- Chapter 11. Importance of Selecting a Correct Model
- **Chapter 12.** Approximation of function in 3D Space

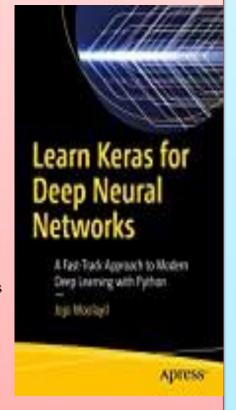


# **Learn Keras for Deep Neural Networks**

Learn Keras for deep Neural Networks focuses on an end-to-end approach to developing supervised learning algorithms in regression and classification with practical business-centric use-cases implemented in Keras. The overall book comprises three sections with two chapters in each section. The first section prepares you with all the necessary basics to get started in deep learning. By consulting this book reader will have a thorough understanding of deep learning principles and have practical hands-on experience in developing enterprise-grade deep learning solutions in Keras.

Author: Jojo Moolayil
Publisher: Apress

- Chapter 1: An introduction to Deep Learning & Keras
- **Chapter 2:** Keras in Action
- Chapter 3: Deep Neural networks for Supervised Learning
- Chapter 4: Deep Neural Networks for Supervised Learning: Classification
- Chapter 5: Tuning & Model Deploying Neural Networks
- **Chapter 6:** The Path Forward



# **Text Analytics with Python**

Text Analytics with python has gone through a major revamp and introduces several significant changes and new topics based on the recent trends in NLP. The book showcases how to build, tune, and interpret topic models in the context of an interest dataset on NIPS conference papers. Additionally, the book covers text similarity techniques with a real-world example of movie recommenders, along with sentiment analysis using supervised and unsupervised techniques. Readers may learn Understand NLP and text syntax, semantics and structure, Discover text cleaning and feature engineering, Review text classification and text clustering, Assess text summarization and topic models and study deep learning for NLP.

Author: Dipanjan Sarkar Publisher: Apress

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• Chapter 1: Natural Language Basics

• Chapter 2: Python for Natural Language Processing

• Chapter 3: Processing and Understanding Text

• **Chapter 4:** Feature Engineering for Text Representation

• Chapter 5: Text Classification

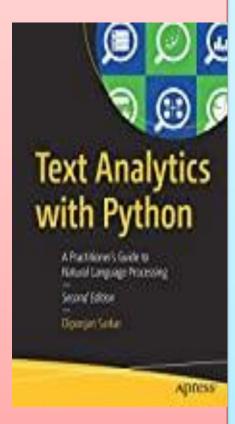
• Chapter 6: Text Summarization and Topic Models

• Chapter 7: Text Similarity and Clustering

• **Chapter 8:** Semantic Analysis

• **Chapter 9:** Sentiment Analysis

• Chapter 10: The promise of Deep learning

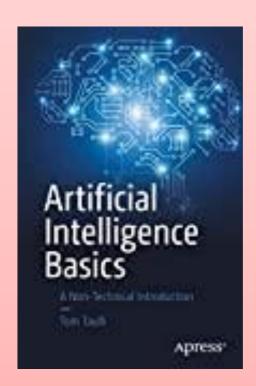


# **Artificial Intelligence Basics**

AI has in fact rapidly become a general-purpose technology, reverberating across industries including transportation, healthcare, financial services, and many more. In our modern era, an understanding of AI and its possibilities for your organization is essential for growth and success. Artificial Intelligence Basics has arrived to equip you with a fundamental, timely grasp of AI and its impact. Author Tom Taulli provides an engaging, non-technical introduction to important concepts such as machine learning, deep learning, and natural language processing (NLP), robotics, and more. In addition to guiding you through real-world case studies and practical implementation steps, Taulli uses his expertise to expand on the bigger questions that surround AI. These include societal trends, ethics, and future impact AI will have on world governments, company structures, and daily life.

Author: Tom Taulli Publisher: APress

- **Chapter 1.** AI Foundations
- Chapter 2. Data
- Chapter 3. Machine Learning
- Chapter 4. Deep Learning
- Chapter 5. Robotic Process Automation (RPA)
- Chapter 6. Natural Language Processing (NLP)
- Chapter 7. Physical Robots
- Chapter 8. Implementation of AI
- Chapter 9. The Future of AI



# **Deep Learning with python**

Deep learning is applicable to a widening range of artificial Intelligence problems, such as image classification, speech recognition, Text classification, question answering, text-to-speech, and optical Character recognition. Deep learning with Python is structured around a series of practical Code examples that illustrate each new concept introduced and Demonstrate best practices. By the time you reach the end of this book, you will have become a Keras expert and will be able to apply deep Learning in your own projects. KEY FEATURES: Practical code examples, In-depth introduction to Keras and teaches the difference between Deep Learning and AI.

Author: Francois Chollet
Publisher: Manning Publication

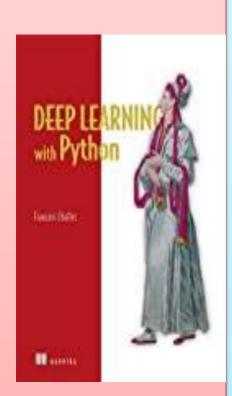
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- **Chapter 1.** What is deep learning?
- **Chapter 2.** Before we begin: the mathematical building blocks of neural networks
- **Chapter 3.** Getting started with neural networks
- **Chapter 4.** Fundamentals of machine learning

# PART 2. DEEP LEARNING IN PRACTICE

- Chapter 5. Deep learning for computer vision
- Chapter 6. Deep learning for text and sequences
- **Chapter 7.** Advanced deep-learning best practices
- **Chapter 8.** Generative deep learning
- Chapter 9. Conclusions

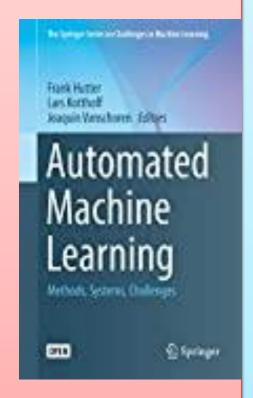


# **Automated Machine Learning**

Automated Machine Learning (Auto ML), collects descriptions of existing systems based on these methods, and discusses the first series of international challenges of Auto ML systems. The recent success of commercial ML applications and the rapid growth of the field has created a high demand for off-the-shelf ML methods that can be used easily and without expert knowledge. However, many of the recent machine learning successes crucially rely on human experts, who manually select appropriate ML architectures (deep learning architectures or more traditional ML workflows) and their hyper parameters. To overcome this problem, the field of Auto ML targets a progressive automation of machine learning, based on principles from optimization and machine learning itself. This book serves as a point of entry into this quickly-developing field for researchers and advanced students alike, as well as providing a reference for practitioners aiming to use Auto ML in their work.

Author: Frank Hutter Publisher: Springer

- Part I: Auto ML Methods
  - 1. Hyper parameter Optimization
  - 2. Meta-Learning
  - 3. Neural Architecture Search
- Part II: Auto ML System
  - 4. Chapter 4: Auto-WEKA
  - 5. Chapter 5: Hyperopt-Sklearn
  - 6. Chapter 6: Auto-sklearn
  - 7. Chapter 7: Towards Automatically-Tuned Deep Neural Networks
  - 8. Chapter 8: TPOT
  - 9. Chapter 9: The Automatic Statistician
- **Part 3:** Auto ML Challenges
  - 10. Chapter 10: Auto ML Challenges.

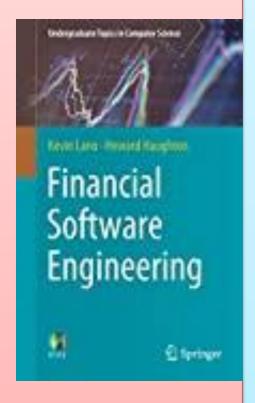


# Financial Software Engineering

Financial software Engineering introduce the important concepts of the financial software domain, and motivate the use of an agile software engineering approach for the development of financial software. They describe the role of software in defining financial models and in computing results from these models. Practical examples from bond pricing, yield curve estimation, share price analysis and valuation of derivative securities are given to illustrate the process of financial software engineering.

Author: Kevin Lano Publisher Springer

- Financial services and Markets
- Financial products and Analyses
- Model-based and Agile Developments
- Financial System Specification Using UML
- Financial System Design
- Trading and Analytics Technologies
- Software Modernization and Re-Engineering
- Agile Model-Based Development Approaches
- Analysis of Financial Products: CDOs
- Tool Support for Financial Application Development

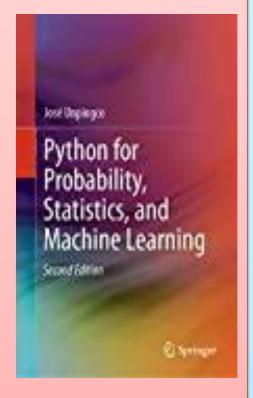


# Python for Probability, Statistics, and Machine Learning

Python for Probability, Statistics, and Machine Learning Python version 3.6+, covers the key ideas that link probability, statistics, and machine learning illustrated using Python modules in these areas. All the figures and numerical results are reproducible using the Python codes provided. The author develops key intuitions in machine learning by working meaningful examples using multiple analytical methods and Python codes, thereby connecting theoretical concepts to concrete implementations. Detailed proofs for certain important results are also provided. Modern Python modules like Pandas, Sympy, Scikit-learn, Tensorflow, and Keras are applied to simulate and visualize important machine learning concepts like the bias/variance trade-off, cross-validation, and regularization. Many abstract mathematical ideas, such as convergence in probability theory, are developed and illustrated with numerical examples. This updated edition now includes the Fisher Exact Test and the Mann-Whitney-Wilcoxon Test.

Author: Jose Unpingco Publisher: Springer

- Getting Started with Scientific Python.
- Probability.
- Statistics.
- Machine Learning

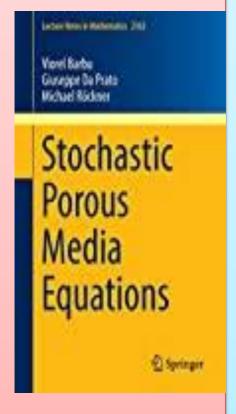


# Stochastic porous media equations

Stochastic porous media equations, places an emphasis on existence theorems, asymptotic behavior and ergodic properties of the associated transition semigroup. Stochastic perturbations of the porous media equation have reviously been considered by physicists, but rigorous mathematical existence results have only recently been found. The book including the flow of an ideal gas and the diffusion of a compressible fluid through porous media, and also thermal propagation in plasma and plasma radiation.

Author: Viorel Barbu Publisher: Springer

- Introduction
- Equations with Lipschitz Nonlinearities
- Equations with Maximal Monotone Nonlinearities
- Variational Approach to Stochastic Porous Media Equation
- L1-Based Approach to Existence Theory for Stochastic Porous Media Equations
- The Stochastic Porous Media Equations in Rd
- Transition Semigroups



# Simulation & Inference for Stochastic processes with YUIMA

This book shows how today's industry leaders are building supply chain efficiencies - and creating long-term competitive advantage. Supply chain management is among the most complex and difficult activities in today's environment of shorter lead times, tighter delivery schedules, and dramatically increased product variety. It is also among the most important. "Strategic Supply Chain Management" explores the knowledge, techniques, and strategies necessary to create value and achieve competitive advantage from your supply chain.

Author: Stefano M. Lacus Publisher: Springer

#### CONTENTS

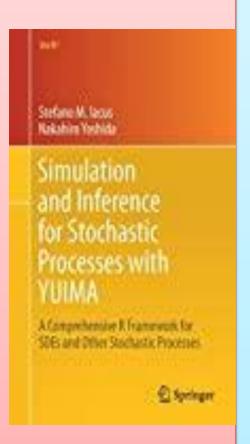
• **Part I:** The YUIMA Framework

1. The YUIMA Package

• Part II: Models and Inference

2. Diffusion Processes

- 3. Compound Poisson Processes
- 4. Stochastic Differential Equations Driven by Lévy Processes
- 5. Stochastic Differential Equations Driven by the Fractional Brownian motion
- 6. CARMA Models
- 7. COGARCH models



# **Project Management: A Managerial Approach**

Control systems & Mathematical Methods in Economics covered include stability theory for difference inclusions, metric regularity, generalized duality theory, the Bolza problem from a functional analytic perspective, and fractional calculus. In turn, the book explores various applications of control theory, such as population dynamics, population economics, epidemiology, optimal growth theory, resource and energy economics, environmental management, and climate change. Further topics include optimal liquidity, dynamics of the firm, and wealth inequality.

**Author:** Gustav Feichinger

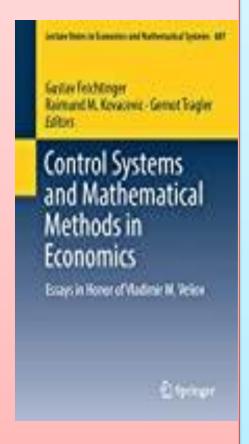
Publisher: Springer

# CONTENTS

• Part I: Mathematical Methods

• Part II: Economics and Environmental Models

• Part III: Population Dynamics and Spatial Models

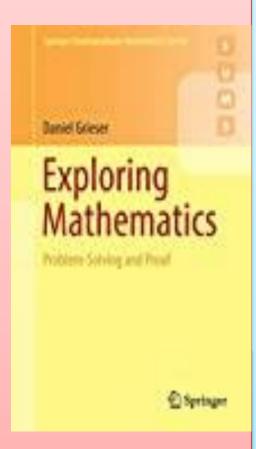


# **Exploring Mathematics**

Readers may not only learn strategies for solving problems and logical reasoning, but they can also learn about the importance of proofs and various proof techniques. Other topics covered include recursion, mathematical induction, graphs, counting, elementary number theory, and the pigeonhole, extremely and invariance principles. Designed to help students make the transition from secondary school to university level, this book provides readers with a refreshing look at mathematics and deep insights into universal principles that are valuable far beyond the scope of this book.

Author: Daniel Grieser Publisher: Springer

- Introduction
- First explorations
- Recursion a fundamental idea
- Mathematical induction
- Graphs
- Counting
- General problem solving strategies
- Logic and proofs
- Elementary number theory
- The pigeonhole principle
- The extremal principle
- The invariance principle



# Software Language

The first textbook on software language engineering, with a strong focus on application areas such as domain-specific languages, software composition, and software reverse engineering. The book covers a wide range of languages, from functional languages like Haskell to mainstream programming languages like Java and modeling languages like UML.

Author: Ralf Lammel Publisher: Springer

- The Notion of a Software Language
- A Story of a Domain-Specific Language.
- Foundations of Tree- and Graph-Based Abstract Syntax.
- A Suite of Meta programming Scenarios
- Foundations of Textual Concrete Syntax
- Implementation of Textual Concrete Syntax
- A Primer on Operational Semantics
- A Primer on Type Systems
- An Excursion into the Lambda Calculus
- An Ode to Compositionality
- A Suite of Meta programming Techniques



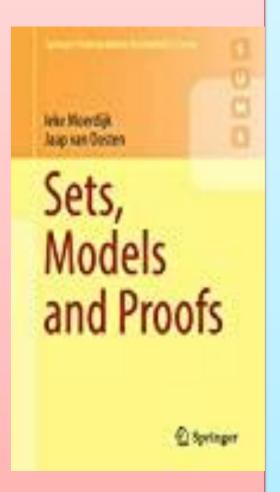
# Sets, Models & Proofs

Set, Models & proofs provides a concise and self-contained introduction to mathematical logic, with a focus on the fundamental topics in first-order logic and model theory. Including examples from several areas of mathematics (algebra, linear algebra and analysis), the book illustrates the relevance and usefulness of logic in the study of these subject areas.

The authors start with an exposition of set theory and the axiom of choice as used in everyday mathematics. Proceeding at a gentle pace, they go on to present some of the first important results in model theory, followed by a careful exposition of Gentzen-style natural deduction and a detailed proof of Goedel's completeness theorem for first-order logic. The book then explores the formal axiom system of Zermelo and Fraenkel before concluding with an extensive list of suggestions for further study.

Author: Leke Moerdijk Publisher: Springer

- Introduction
- Sets
- Models
- Proofs
- Sets Again

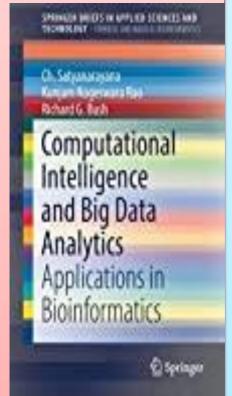


# Computational Intelligence & Big Data Analytics

Computational Intelligence & Big Data analytics highlights major issues related to big data analysis using computational intelligence techniques, mostly interdisciplinary in nature. It comprises chapters on computational intelligence technologies, such as neural networks and learning algorithms, evolutionary computation, fuzzy systems and other emerging techniques in data science and big data, ranging from methodologies, theory and algorithms for handling big data, to their applications in bioinformatics and related disciplines. The book describes the latest solutions, scientific results and methods in solving intriguing problems in the fields of big data analytics, intelligent agents and computational intelligence. It reflects the state of the art research in the field and novel applications of new processing techniques in computer science. This book is useful to both doctoral students and researchers from computer science and engineering fields and bioinformatics related domains.

Author: Ch.Satyanarayana Springer

- A Novel Level-Based DNA Security Algorithm Using DNA Codons
- Cognitive State Classifiers for Identifying Brain Activities
- Multiple DG Placement and Sizing in Radial Distribution System Using Genetic
- Algorithm and Particle Swarm Optimization
- Neighborhood Algorithm for Product Recommendation
- A Quantitative Analysis of Histogram Equalization-Based Methods on Fundus Images for Diabetic Retinopathy Detection
- Nano informatics: Predicting Toxicity Using Computational Modeling
- Design and Implementation of Modified Sparse K-Means Clustering Method for Gene Selection of T2DM
- Identifying Driver Potential in Passenger Genes Using Chemical Properties of Mutated and Surrounding Amino Acids
- Data Mining Efficiency and Scalability for Smarter Internet of Things
- FGANN: A Hybrid Approach for Medical Diagnosing



# **Concepts of soft Computing**

Concept of Computing discusses soft computing, which provides an efficient platform to deal with imprecision, uncertainty, vagueness and approximation in order to attain robustness and reliable computing. It explores two major concepts of soft computing: fuzzy set theory and neural networks, which relate to uncertainty handling and machine learning techniques respectively. Generally, fuzzy sets are considered as vague or uncertain sets having membership function lying between 0 and 1, and ANN is a type of artificial intelligence that attempts to imitate the way a human brain works by configuring specific applications, for instance pattern recognition or data classification, through learning processes.

The book also presents C/MATLAB programming codes related to the basics of fuzzy set, interval arithmetic and ANN in a concise, practical and adaptable manner along, with simple examples and self-validation unsolved practice questions in few cases.

**Author:** Snehashish Chakraverty

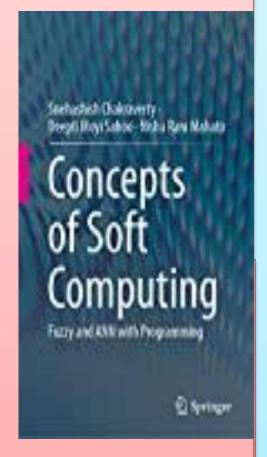
Publisher: Springer

# CONTENTS

- Part I: Fuzzy Set Theory
  - 1. Intervals
  - 2. Fuzzy Sets
  - 3. Fuzzy Numbers
  - 4. Fuzzy Relations
  - 5. Fuzzy Functions
  - 6. Fuzzy Differentiation and Integration
  - 7. Defuzzification
  - 8. Interval System of Linear Equations
  - 9. Interval Eigenvalue Problems

# • Part II: Artificial Neural Network

- 10. Artificial Neural Network Terminologies
- 11. McCulloch-Pitts Neural Network Model
- 12. Hebbian Learning Rule
- 13. Perceptron Learning Rule
- 14. Delta Learning Rule and Back propagation Rule for Multilayer Perceptron

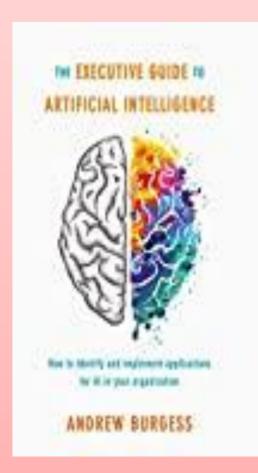


# The executive guide to artificial intelligence

The executive guide to AI is one of the most talked about technologies in business today. The core of the book is a framework, developed by the author, which describes in non-technical language the eight core capabilities of Artificial Intelligence (AI). Each of these capabilities, ranging from image recognition, through natural language processing, to prediction, is explained using real-life examples and how they can be applied in a business environment. It includes interviews with executives who have successfully implemented AI as well as CEOs from AI vendors and consultancies.

Author: Andrew Burgess
Publisher Palgrave Macmillan

- Don't Believe the Hype
- Why now?
- AI Capabilities Framework
- Associated Technologies
- AI in Action
- Starting an AI Journey
- AI Prototyping
- What Could Possibly Go Wrong?
- Industrializing AI
- Where Next for AI?



# The project workout

The Projects workout are an important strategic management tool and a way of life in every business. The book is a valuable companion for every executive and project manager as well as a comprehensive resource for students of project management. The practical approach is enhanced throughout with a series of "Workouts": exercises, techniques and checklists to help you put the book's advice into practice. The Workouts are supported by an on-line resource of tools, including MS project views, project logs and templates.

Author: Robert Buttrick
Publisher: Routledge

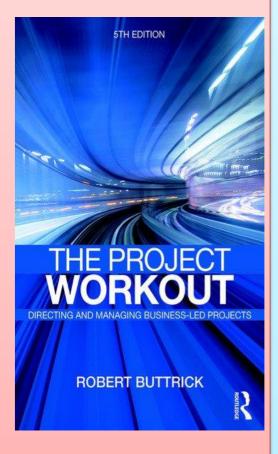
# CONTENTS

• **Part One:** Challenges to be faced.

• Part Two: A walk through the project lifecycle.

• **Part Three:** The essentials you need to know.

• **Part Four:** Making project management work for you,

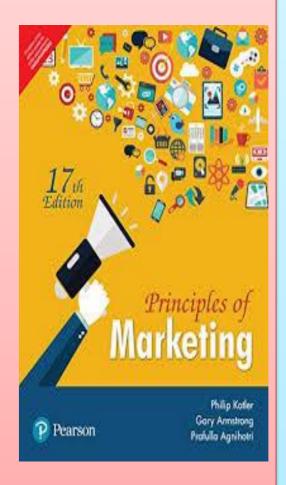


# **Principles of Marketing**

Principles of Marketing helps readers master today—s key marketing challenge: to create vibrant, interactive communities of consumers who make products and brands an integral part of their daily lives. To help individuals understand how to create value and build customer relationships, Kotler and Armstrong present fundamental marketing information within an innovative customer-value framework. Thoroughly revised to reflect the major trends impacting contemporary marketing, the 17th Edition is packed with stories illustrating how companies use new digital technologies to maximize customer engagement and shape brand conversations, experiences, and communities.

Author: Philip Kotler Publisher: Pearson

- **Part 1:** Defining Marketing and the Marketing Process
- Part 2: Understanding the Marketplace and Consumer Value
- **Part 3:** Designing a Customer Value-Driven Strategy and Mix
- Part 4: Extending Marketing



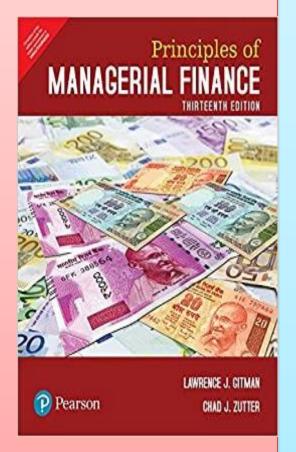
#### **Principles of Managerial Finance**

The feature of Principles of Managerial Finance-weaves pedagogy into concepts and practice, providing readers with a roadmap to guide them through the text and supplementary tools. The thirteenth edition features new coauthor Chad Zutter of the University of Pittsburgh who brings his contemporary thinking and pedagogy to the text.

Author: Lawrence J. Gitman

Publisher Pearson

- Part 1: Introduction to Managerial Finance
  - 1. The Role of Managerial Finance
  - 2. The Financial Market Environment
- Part 2: Financial Tools
  - 3. Financial Statements and Ratio Analysis
  - 4. Cash Flow and Financial Planning
  - 5. Time Value of Money
- Part 3. Valuation of Securities
  - 6. Interest Rates and Bond Valuation
  - 7. Stock Valuation
- Part 4: Risk and the Required Rate of Return
  - 8. Risk and Return
  - 9. The Cost of Capital
- Part 5: Long-Term Investment Decisions
  - 10. Capital Budgeting Techniques
  - 11. Capital Budgeting Cash Flows
  - 12. Risk and Refinements in Capital Budgeting
- Part 6: Long-Term Financial Decisions
  - 13. Leverage and Capital Structure
  - 14. Payout Policy
- Part 7: Short-Term Financial Decisions
  - 15. Working Capital and Current Assets Management
  - 16. Current Liabilities Management
- Part 8: Special Topics in Managerial Finance
  - 17. Hybrid and Derivative Securities
  - 18. Mergers, LBOs, Divestitures, and Business Failure.
  - 19. International Managerial Finance

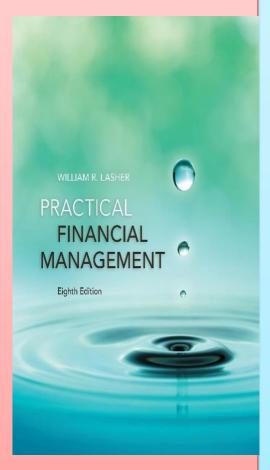


#### **Practical Financial Management**

Author William R. Lasher uses his experience as a CFO to give you an insider's look into the issues and challenges facing financial managers every day. From hidden agendas to decision maker biases and their effect on the analyses of financial proposals, you will see principles in action in this dynamic text. You will examine the latest developments, like activist investors who put pressure on companies to change their ways and behavioral finance which uses psychological ideas to explain financial markets. The book included lots of worked out examples to show you how to do homework problems. Develop the first-hand understanding of financial management.

Author: William R.Lasher Publisher: Cengage Learning

- Part I: Introduction to Financial Management
  - 1. Foundations.
  - 2. Financial Background: A Review of Accounting, Financial Statements, and Taxes.
  - 3. Cash Flows and Financial Analysis.
  - 4. Financial Planning.
  - 5. The Financial System, Corporate Governance, and Interest.
- Part II: Discounted Cash Flow and the Value of Securities.
  - 6. Time Value of Money.
  - 7. The Valuation and Characteristics of Bonds and Leasing.
  - 8. The Valuation and Characteristics of Stock.
  - 9. Risk and Return.
- Part III: Business Investment Decisions -- Capital Budgeting.
  - 10. Capital Budgeting.
  - 11. Cash Flow Estimation.
  - 12. Risk Topics and Real Options in Capital Budgeting.
  - 13. Cost of Capital.
- Part IV: Long-Term Financing Issues.
  - 14. Capital Structure and Leverage.
  - 15. Dividends and Repurchases.
- Part V: Operations
  - 16. The Management of Working Capital.
  - 17. Corporate Restructuring.
  - 18. International Finance.



#### Top Dog

In Top Dog, Bronson and Merryman uses their astonishing blend of science and storytelling to reveal what's truly in the heart of a champion. The joy of victory and the character-building agony of defeat. Testosterone and the neuroscience of mistakes. Why rivals motivate. How home field advantage gets you a raise. What teamwork really requires. It's baseball, the SAT, sales contests, and Linux.

Author: Po Bronson Publisher: Twelve

#### CONTENTS

#### • Part I: Foundation

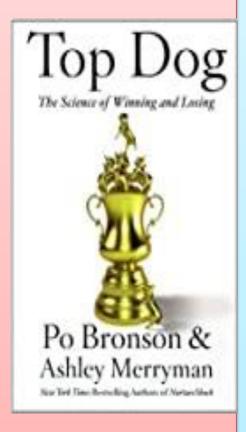
- 1. Introduction / Parachutists & Ballroom Dancers
- 2. The Competition Machine
- 3. What goes down when the stakes go up.

#### • Part II: Formation

- 4. How the Worriers can beat the Warriors
- 5. Even Odds: why women need them & men don't
- 6. The Utter Importance of pillow Fights
- 7. Part III: Individual
- 8. The difference Between Winning & Not Losing
- 9. How one night of Blackjack sped up the world economy
- 10. The 'Roid Rage of Chess

#### • Part IV: Collective

- 11. The Heirarchy of teams
- 12. Michelangelo had an agent
- 13. How the black sox cleaned up wall street

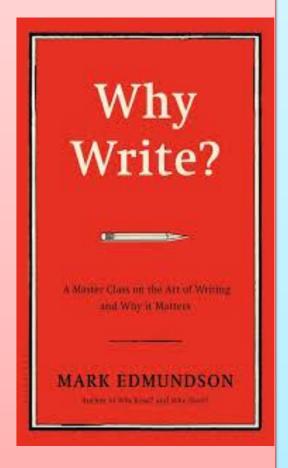


#### **Why Write**

Writing is one of the greatest human goods. Real writing can do what critic R. P. Blackmur said it could: add to the stock of available reality. Writing teaches us to think; it can bring our minds to birth. And once we're at home with words, there are few more pleasurable human activities than writing. Because this is something, he believes everyone ought to know, Edmundson offers us Why Write? essential reading--both practical and inspiring-for anyone who yearns to be a writer, anyone who simply needs to know how to get an idea across, and anyone in between--in short, everyone.

Author: Mark Edmundson Publisher Bloomsbuary

- Why Write?
- The New Writer
- Hitting Your Stride
- Perils and Pleasures
- Pleasures and Perils
- The Writer's Wisdom

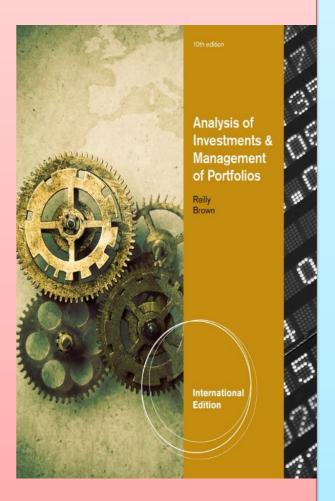


#### **Analysis of Investments & Management of Portfolios**

This International edition teaches readers how to manage their money to derive the maximum benefit from what they earn. From asset allocation to selecting investments in a global market, this book gives readers a solid foundation in personal finance and presents the same tools used extensively by professionals, organizations, and schools across the country. Filled with real-world illustrations and hands-on applications, this book takes a rigorous, empirical approach to modern topics such as investment instruments, capital markets, behavioral finance, international investing, globalization, the impact of the 2008 financial market crisis, and changes in rating agencies and government agencies such as Fannie Mae and Freddie Mac. Practical and up to date, the book is an excellent resource for those with both a theoretical and practical need for investment expertise.

Author: Reilly Brown
Publisher: Cengage Learning

- **PART 1:** The investment background.
- **PART 2:** Developments in investment theory.
- **PART 3:** Valuation principles and practices.
- **PART 4:** Analysis and management of common stocks.
- **PART 5:** Analysis and management of bonds.
- **PART 6:** Derivative security analysis.
- PART 7: Specification and evaluation of asset management.



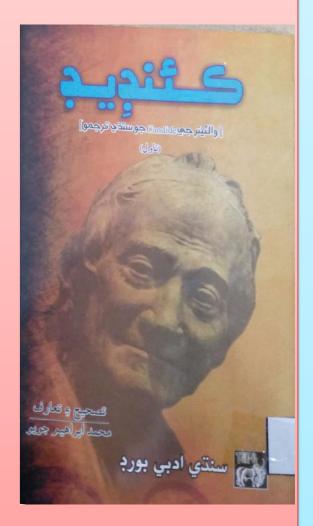
#### **Candide**

Sindhi Translation of novel Candide, which is the story of a gentle man who, though pummeled and slapped in every direction by fate, clings desperately to the belief that he lives in "the best of all possible worlds. The French philosopher's immortal narrative takes Candide around the world to discover that -- contrary to the teachings of his distinguished tutor Dr. Pangloss -- all is not always for the best.

**Author:** Voltaire

Publisher: Sindhi Adabi Board

- How Candide was brought up in a magnificent castle, and how he has expelled thence.
- What became of Candide among the Bulgarians?
- How Candidid made his escape from the Bulgarians, and what afterwards became of him.
- How candidid found his old Master Pangloss, and what happened to them.
- The History of Gunegonde.
- In what distress Candide, Gunegone and the Old Woman arrived at Cadiz and of their Embarkation.
- History of the old Woman
- Understanding Social Perception and Managing Diversity



#### A History of Sindh

The book is reprint of Mirza Qaleech Baig's book of Chachnama and one of the series of eight books, containing history of Sindh. The volume is divided into two parts. Part one gives an account of the lieutenants of the Khalifhs or successors of Muhammad. The rulers of Sumrah, summah, Arghun and Tarkhan dynasties. The Second part of the book deals with the whole period the Kalhoras and Talpur dynasties of the rulers of Sindh.

Author: Mirza Qaleech Baig

Publisher: Culture & Tourism Department

#### CONTENTS

• Chapter I: Khalifas or Successors of Muhammad

• Chapter II: Ghazni, Ghori and Khilji Kings of Delhi and their Lieutenants

Chapter III: Tughlak kings of DelhiChapter IV: Sind Tribes, descended

from the Arabs

• Chapter V: Rise and fall of the Soomras of Sind

• Chapter VI: The Summah Dynasty in Sind

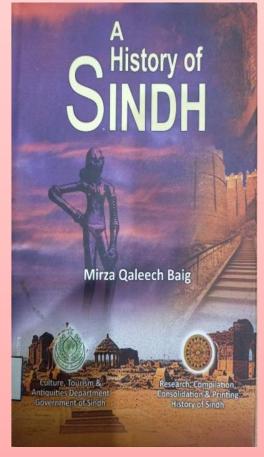
• Chapter VII: The Arghun Dynast

 Chapter VIII: The eign of Jam Feroz Sammah & Mirza Shah Arghun

• Chapter IX: The reign of Mirza Shah Hasan Son of Shah Baig

Arghun

• Chapter X: The reign of Mirza Shah Hasan



#### **The Indus and Its Provinces**

The Project director of RCC Project of History by Sindh Government compiled the work of Sir William Patrick Andrew which gave the importance of railways in India 1843. The book highlighted the vision for the Britain Indus, its Trade, Communication and transit of European goods to Central Asia, the battle field rout amongst super powers for the decades.

Author: W.P.Andrew

**Publisher** Culture & Tourism Department

#### CONTENTS

• Chapter I: Introduction

• **Chapter II:** The Indus Valley as a Military Highway

• Chapter III: Kurrachee

• Chapter IV: Sindh Railway

• Chapter V: The Indus Steam Fotilla

• Chapter VI: Punjab railways

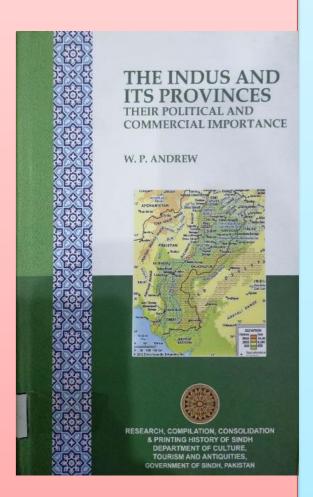
• Chapter VII: Provinces of Indus

• Chapter VIII: Provinces of India

• Chapter IX: India and Central Asia

• Chapter X: Production of Valley of Indus

• Chapter XI: Colonization in India and Australia Compared

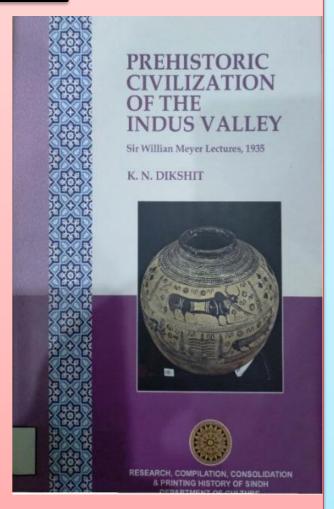


#### **Prehistoric Civilization of Indus Valley**

The book is based on memorial of 1935 lectures of K N Dikshitby Rao Bahadur Kashinath Narayan Dikshit. The subject of the book has been dealt with the exhaustive publications of the Archaelogical Survey of India of Sir John Marshall, E J H Mackay and Dr B Parshad's work on Indus civilization of Harappa and Mohen-jo-Daro.sectors highlighted by UN Secretary General Kofi Annan).

Author: K.N Dikshit
Publisher Culture & Tourism Department

- Chapter I: Discovery, Scope and
  Extent of the Indus valley
  Civilization
- Chapter II: Building, Architecture and Town Planning
- Chapter III: The Life and Arts of the Indus People
- Chapter IV: Religion, race, Funeral Customs and Animals
- Chapter V: The Writing of the Indus Period
- Chapter VI: Pottery, Metals, Chronology and other Considerations



#### **Shah Latif**

Author as Project Direct of RCC-Sindh has compiled research publications on history of Sindh. The book is one of the series of those books. Latif's Poetry Is Deeply Rooted in The Human Experience of Searching for The Self. The Book Presents Selected Verse from The Shah Jo Risalo of Shah Abdul Latif of Bhitai, The Celebrated Sixteenth Century Sufi Poet. Known as One of the Greatest Sufi Works in History, Shah Abdul Latif's Shah Jo Risalo is a Prayer, A Cry for the beloved written more than years ago. The book covered various aspects of Shah Abdul Latif Bhitai's poetry.

Author: Kalyan B Advani
Publisher Culture & Tourism Department

#### CONTENTS

• Chapter 1: An Account of the Poet's Life

• Chapter 2: The man and his way of life

• Chapter 3: Language, Technique and Treatment of Native Material

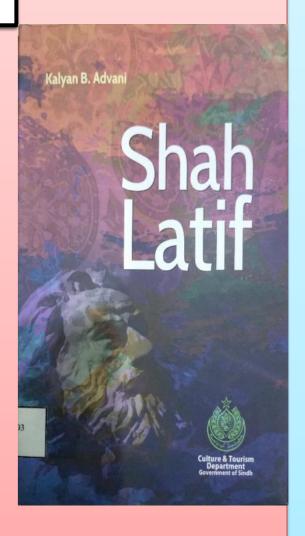
• Chapter 4: Ethics and Devotions

• Chapter 5: Love, Mysticism and Realization

• Chapter 6: Trade, Commerce and Wealth

• **Chapter 7:** Art of Narration

• Chapter 8: Symbolism of Stories

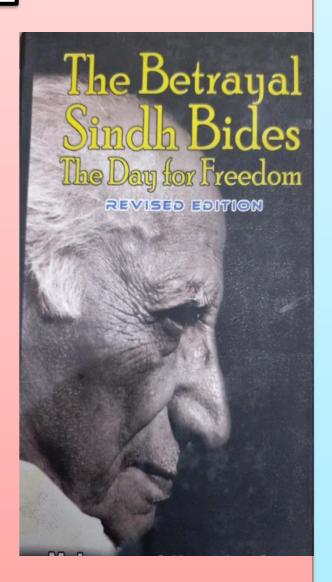


#### The Betraval Sindh Bides: The Day for Freedom

The bulky volume titled The Betrayal - Sindh Bides the Day for Freedom written by Ibrahim Joyo, an icon of enlightened literature. He called the pioneer of renaissance and reformation in Sindh. He has successfully implanted the spirit of new ideas in the soil of Sindhi society, which has been under the influence of feudalist thought and express in the book by adding his letters, personal, professional and literary correspondences & reviews etc.

Author: Mohammad Ibrahim Joyo Publisher Peacock printer & publisher

- VOLUME-I (1942-2005)
- PART-I Essays and Articles (1947-1947)
- PART-II
  Essays and Articles (1947-2005)
- VOLUME-II (1948-2005)
- PART-I Essays and Articles (1948-2005)
- PART-II Correspondence
- PART-III
  The Reviews
- VOLUME-III (1972-2014) Additions



#### A great engagement: Sindh

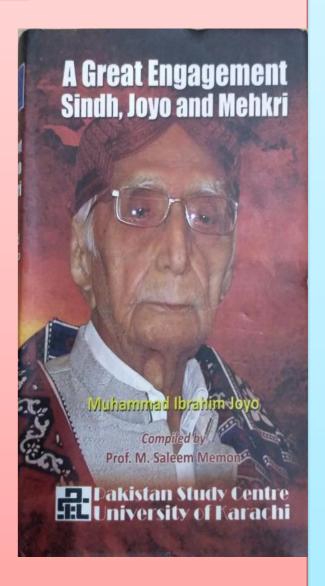
"A Great Engagement Sindh, Joyo and Mehkri" is an omnibus of three publications written by Dr Mehkri — On Sindh, Sorrows of Sindh and My Dear, Joyoji. These comprise articles and essays that were edited and compiled by Saeen Joyo along with letters exchanged between the two. Mazhar Jamil, the biographer of Saeen Joyo, "This is not a book, it is a path of life."

Author: Mohammad Ibrahim Joyo Publisher Pakistan study Center uok

#### CONTENTS

• On Sindh

- Sorrows' of Sindh
- My Dear Joyoji

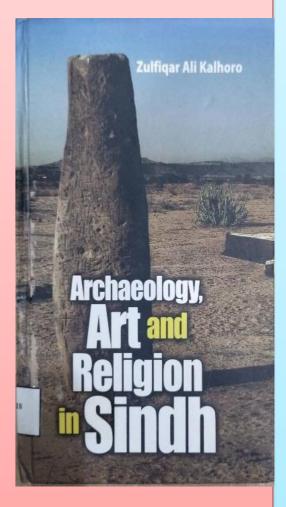


#### An Introduction to Project Management

Dr. Kalhoro's book deals with some of the most important dimensions of Sindh's archaeology, art and religion. One of the uniqueness of the book is its focus on hitherto unknown heritage sites including one on Megaliths in Karachi. We have already Indus period sites in Karachi district but the discovery of and discussions on megaliths in Karachi reflect how rich the region of Karachi was in the ancient times. Moreover, the author has also delineated similar types of monuments in other provinces in the country.

Author: Zulfiqar Ali Kalhoro
Publisher Culture & Tourism Department

- Prehistoric, Circular tombs in Mol Valley, Sindh Kohistan
- Magaliths in Karachi
- Human and Environmental Threats to Chaukandi tombs and Role of Civil Society
- Jat Culture
- Camel Art
- Role of Holy Shrines and Spritiual Arts in People's Education About Mahdism
- Depiction of Imam Mahdi in Sindhi Poetry of Sindh
- Between Marhi and Math: The Temple of Veer Nath at Rato Kot
- One Diety, Three temples: a typology of sacred spaces in haripur, Tharparkar



#### Medieval period of Sindh

Author as Project Direct of RCC-Sindh has compiled research publications on history of Sindh. The book is one of the series of eight books, containing writing of different authors from different continents. It opens the new windows of understanding of region its history.

Author: Publisher Madad Ali Shah Culture & Tourism Departmen

#### CONTENTS

• **Chapter 1:** The Pre-Muslim Antiquities of Sind

• Chapter 2: Sindhu: Sauvira

• Chapter 3: Is the Chach Nama Intelligible to the

• Chapter 4: IBN Battuta in Sind

• **Chapter 5:** Arab Conquest of Sind

• **Chapter 6:** Arab Invasion in Sind

• Chapter 7: Abbasid Perio

• **Chapter 8:** The Umayyad

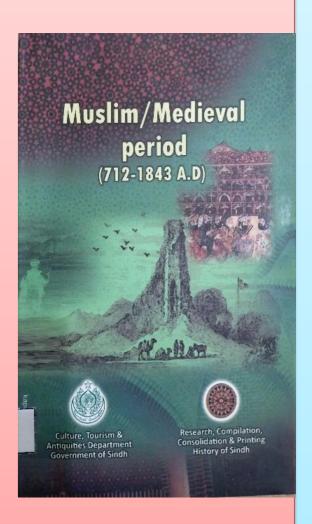
• **Chapter 9:** The twin port of Daybul

• **Chapter 10:** Soomra Dynasty

• **Chapter 11:** History of the Sammas

• Chapter 12: Makhdoom Bilal Samma

• Chapter 13: The Coinage and Genealogy of the Later



#### Sindh under the Mughal

The book is translation of the book is based on Mazhar I Shahjahani and its manuscripts including biographical notes. The commentary provides comparative study of Sindh. It is an evaluation of the original historical texts before they are translated into any other language.

Author: M Saleem Akhtar

**Publisher:** Culture & Tourism Department

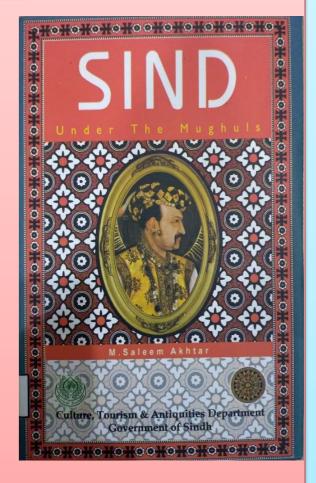
#### CONTENTS

• Introduction

• Section I: The Arghuns and Tarkhans of Sind and the Great Mughuls of India

• Section II: The Author and his Family

• **Section III:** The Book



#### The life, religion and poetry of shah latif: the greatest poet of sindh

The Book is divided into three parts and ascertained the poetic years of great Saint Poet. The author concluded that all those verses, calculated to Arabic numerology. Volume one gave exclusively to the life of Shah Abdul Latif through the chief source of Bayanul Arfifin. In Volume Two, author gives a vocabulary of all those koranic verses and Hadis in the poems of Latif.

Author: Lilaram Watanmal Lalwani Publisher: Culture & Tourism Department

#### CONTENTS

• Vol. I

• Part I: Life

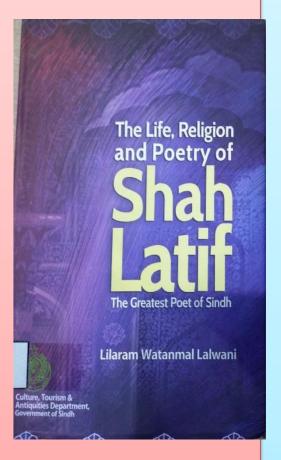
• Part II: Religion of the Poet

• Part III: Poetry

• Vol II:

• Part I A Vocabulary explaining all the Arabic verses in Shah jo Risalo

• Part II: A Glossary of all the difficult words and expressions in Shah Jo Risalo



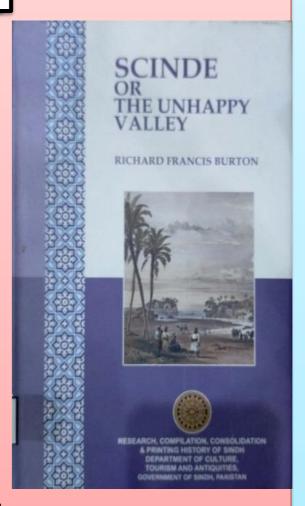
#### Scinde or the Unhappy Valley

The book, describing this brilliant feat, has just been republished by Lady Burton, as part of the "Memorial Edition" of her husband's works on which she is now engaged, and which she tells us will run to eighty volumes. Everything Sir Richard Burton has written is marked by originality and power, and though in his writings, as in his speech, he was too impetuous and impatient, he wielded a keen, brilliant, and epigrammatic pen.skills to address realistic ethical issues.

Author: Richard Francis Burton.

**Publisher** Culture & Tourism Department

- Chapter I: The Shippie of Delle
- Chapter II: First Glimpse of the Unhappy Valley, and the native town of Kurrachee
- Chapter III: Camp KUrrachee and its environs, Mugur Peer and the Crocodile Ride
- Chapter IV: The March and the very pretty Persian girl
- Chapter V: The legend of Bhambora-Scinda Deserta
- Chapter VI: Tattah and its Holy Hill
- Chapter VII: Shaykh Radhan and the Dead Camel
- **Chapter IX:** The Seven Headless Prophets
- Chapter X: Soondan and Jerruck
- **Chapter XI:** Kotree-A Comedy of Baggage-Beats
- Chapter XII: The Scindian Man his Character and what he drinks
- Chapter XIII: The Scindian Woman
- Chapter XIV: We Prepare to quit Hyderabad
- **Chapter XV:** Mir Ibrahim Khan Talpur
- **Chapter XVI:** The Mimosa Bank
- Chapter XVII: The Lukkee Pass, and its evil, spirit, sehwan, its beggars and its Alendar Camp
- Chapter XVIII: The Song of the Bungalow-Down the Indus "Home"

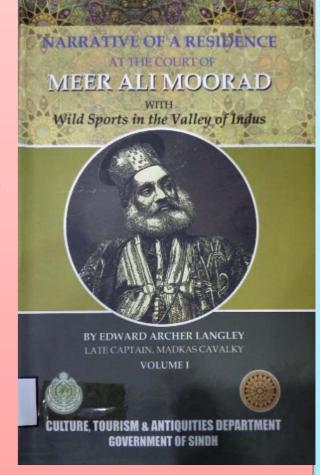


# <u>Narrative of a residence at the court of Meer Ali Moorad with wild sports in the valley of the Indus</u> <u>Macroeconomics</u>

This is a reproduction of a book published before 1923. This book may have occasional imperfections such as missing or blurred pages, poor pictures, errant marks, etc. that were either part of the original artifact, or were introduced by the scanning process. We believe this work is culturally important, and despite the imperfections, have elected to bring it back into print as part of our continuing commitment to the preservation of printed works worldwide. We appreciate your understanding of the imperfections in the preservation process, and hope you enjoy this valuable book.

Author: Edward Archer Langley
Publisher Culture & Tourism Department

- Part 1 Introduction and National Income Accounting
- Chapter 1 Introduction
- Chapter 2 National Income Accounting
- Part 2 Growth, Aggregate Supply and Demand, and Policy
- Chapter 3 Growth and Accumulation
- Chapter 4 Growth and Policy
- Chapter 5 Aggregate Supply and Demand
- Chapter 6 Aggregate Supply: Wages, Prices, and Unemployment
- Chapter 7 The Anatomy of Inflation and Unemployment
- Chapter 8 Policy Preview
- Part 3 First Models
- Chapter 9 Income and Spending
- Chapter 10 Money, Interest, and Income
- Chapter 11 Monetary and Fiscal Policy
- Chapter 12 International Linkages
- Part 4 Behavioral Foundations
- Chapter 13 Consumption and Saving
- Chapter 14 Investment Spending
- Chapter 15 The Demand for Money
- Chapter 16 The Fed, Money, and Credit
- Chapter 17 Policy



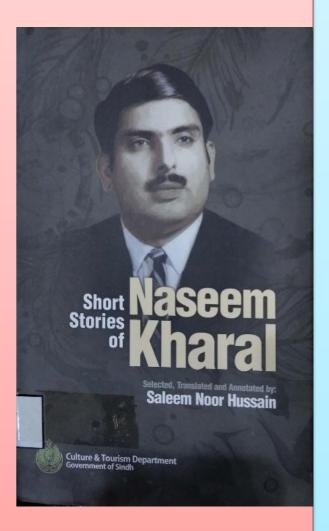
#### **Short stories of Naseem Kharal**

The book is all about sindhi short stories compiled and Translated by Saleem Noor Hussain. The author, naseem Kharal presented the social values of Sindh and focused on innovative issues and Philosophy of the Province. The sixteen stories have been selected from author's collection from Shabnam shabna, Kanwal kanwal and Chotihon Dar. One can study the psyche and rational dimension of the sindhi society

Translated by: Saleem Noor Hussain

**Publisher:** Culture & Tourism Department

- Infidel
- Turns of Time
- Guts
- Grude color
- Bygone Incident
- Cupidity
- Comradeship
- Diseased Finger
- Packin
- Mixed Grill
- First Rustle
- Italo Pudding.
- Comfort
- Assalam o Alaikum
- Care Taker
- Thirty-Fourth Gate



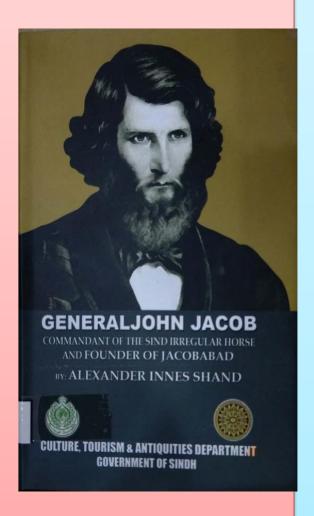
#### General John Jacob: Commandant of the SindIrregular Horse and Founder of Jacobabad

This is a pre-1923 historical reproduction that was curated for quality. Quality assurance was conducted on each of these books in an attempt to remove books with imperfections introduced by the digitization process. Though we have made best efforts - the books may have occasional errors that do not impede the reading experience. We believe this work is culturally important and have elected to bring the book back into print as part of our continuing commitment to the preservation of printed works worldwide.

**Author:** Alexander Innes Shand

**Publisher** Culture & Tourism Department

- I.Sind in 1838
- II. Frontier Fighting
- III. Billamore's Hill Campaign
- IV. Commandant of the Sind Horse
- V. On the Eve of the Conquest
- VI. Mea'nee
- VII. Hyderabad
- VIII. Jacob Finishes the Campaign
- IX. napier's Operations in Khelat Territory
- X. Jacob's Military Frontier Methods
- XI. Civil Administration, Agriculture and Engineering
- XII. Working under Frere
- XIII. Affairs of Khelat
- XIV. Trouble with the Authorities
- XV. Mechanician Artillerist Theologian
- XVI. Acting-Commissioner of Sind
- XVII. Correspondence with Lord canning and Elphinstone
- XVIII. The Persian war and the Indian Mutiny
- XIX. Kehlat Correspondence
- XX. The Death in Harness



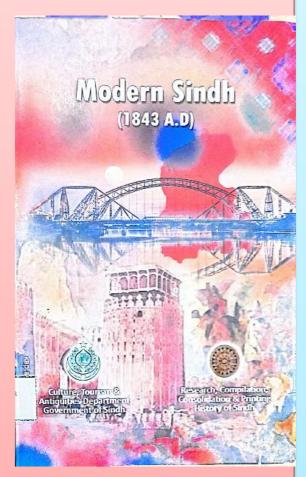
#### Modern Sindh

The book is one of the series of eight books, containing writing of different authors from different continents. It opens the new windows of understanding of region its history and modern Sindh.

Editor: Madad Ali Sindhi

Publisher: Culture & Tourism Department

- Chapter 1: The Economy of Modern Sindh Dr. Ishrat Hussain
- Chapter 2: Mahmud and Masud of Ghazna: Founders of Islam in Sindh By B Supler
- Chapter3: Sindh Studies in Washington by Eugene I Kenz
- Chapter 4: The First Sindh Province Muslim League Conference
- **Chapter 5:** Presidential Address of Bhurguri 1923
- **Chapter 6:** Ranjit Singh's relation with the Amirs of Sindh by Ikram Ali Malik
- Chapter 7: The Mirs and the Indus Tolls by H T Lambrick
- Chapter 8: Talpur Dynasty by Mohan Ghani
- **Chapter 9:** British Period in Sindh by Mohan Ghani
- Chapter 10: Two Great Occasions in British History of India by CI Mariwalla



#### **Ancient Sindh**

The "Ancient Sindh" compiled by Madad Ali Sindhi explore history which were out of readers' reach. The book is one of the series of eight books, containing writing of different authors from different continents. It opens the new windows of understanding of region its history.

Compiler: Madad Ali Sindhi

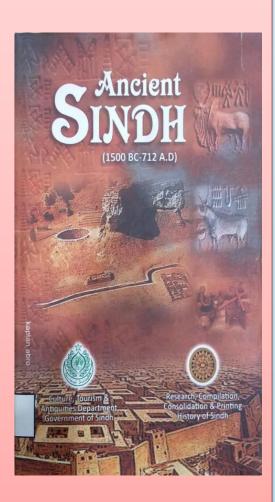
**Publisher:** Culture & Tourism Department

#### CONTENTS

• Chapter 1: Ancient Sindh By T Postans

• Chapter 2: Ancient Sindh By N M Billimora

- **Chapter 3:** Identification of some old places in ancient Sindh by N M
- Chapter 4: Three Ancient Travelling in Sindh
- Chapter 5: Some Ancient Tribes of Sapta Sindeiu
- Chapter 6: Ray Chahch of Sind and his family By N M Billimora
- **Chapter 7:** Diulsind: the Old part of Thatta By N M Billimora
- Chapter 8: The Traditional early history of Sind by H T Lamberik
- **Chapter 9:** Sind in the time of the mauryas and the Bactrian era by H T Lamberik
- Chapter 10: The Buddist rats of Sind by H T Lamberik



#### **Greatest Poet of Sindh**

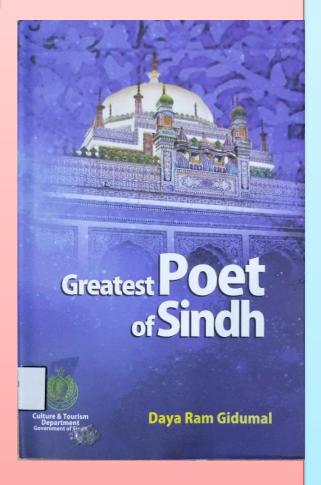
Madad Ali Sindhi, the author has re-compiled the rare books of Sindh history and culture including this book written by Daya Ram Gidumal. During British raj, he was known to be the Godfather of Sindhi Hindus. Sindh has been known for its religious and mystic saints. The book discusses the philosophic nature of Sufism in quite detail, and makes good impression of mentioned western references.

Author: Daya Ram Gidumal
Publisher Culture & Tourism Department

#### CONTENTS

• Chapter I

- Chapter II
- Chapter III



#### Shah Jo Risalo

The book is a translation of Kalyan Advani's Shah jo Risalo. The book mentioned verses of Shah Abdul Latif which carry the message of freedom for the individual and for nations with desire to see peace and prosperity across the globe.

Translated by: Ali Akbar Dhakan Publisher: Murk Publication

#### CONTENTS

• **Chapter 1:** Kalyan (peace)

• **Chapter 2:** Yaman Kalyan (passage to Peace)

• **Chapter 3:** Khambhat (Refuge)

• Chapter 4: Srirag (Preparation)

• Chapter 5: Samoondari (The sailors)

• Chapter 6: Suhni (The Beautiful)

• Chapter 7: Sassui (Moon)

• Chapter 8: Sassui: Maazoori (the Helpless)

• Chapter 9: Sassui: Desi (The Native)

• Chapter 10: Sassu: Kohiyari (The Mountain Song)

• Chapter 11: Sassui: Hussaini (lamentation)

• Chapter 12: Leela Chanessar (Allegory)

• Chapter 13: Marvi (Patriotism)

• Chapte 14: Kamode (Love Resplendent)

• **Chapter 15:** Ghatoo (The Crocodile Killer)

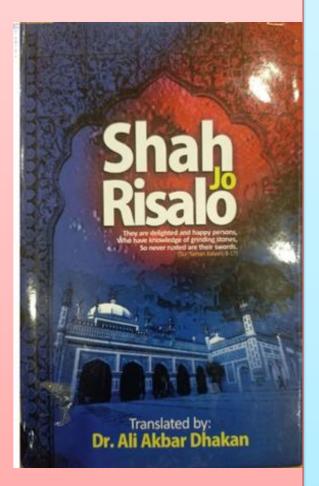
• Chapter 16: Sorath (Hearsaying)

• **Chapter 17:** Kadero (The Battle ground)

• Chapter 18: Sarang (Weather)

• Chapter 19: Rap (deep Distress)

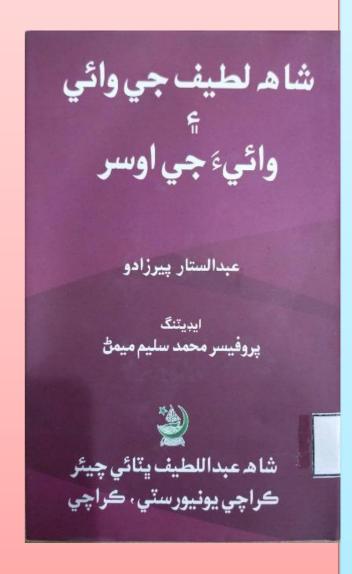
• Chapter 20: Asa (Hope)



### شاه لطيف جي وائي ۽ وائي جي اوثر

Author

عبدالستار پيرزادو



### لغت نويسي بابت مضمون ۽ مقالا

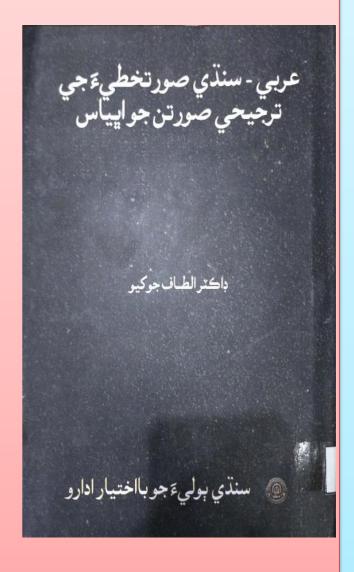
Author

رياضت ېرڙو



### عربي سنڌي صور تختي جي ترجيحي صورتن جو اپياس

Author: باكثر الطاف جوكيو



# قومي ۽ عالمي تناظر ۾ سنڌي بولي جي حيثيت

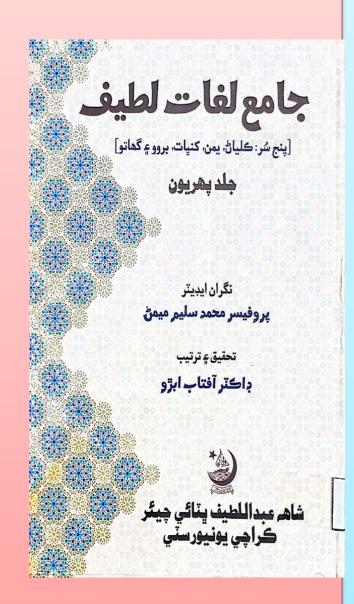
**Author:** 

ڊا**ك**ٽر غلام علي الانا



### جامع لغات لطيف

Author: پروفیسر محمد سلیم میمڻ



# مفسل سنڌي لغت

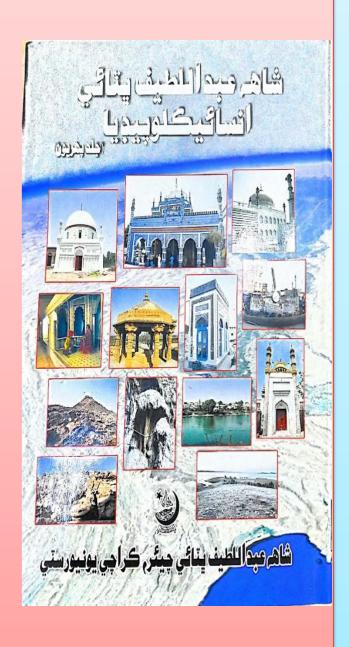
Author: سرفراز راجِرً



# شاه لطيف ينائي انسائيكلو بيديا جلد يهريون

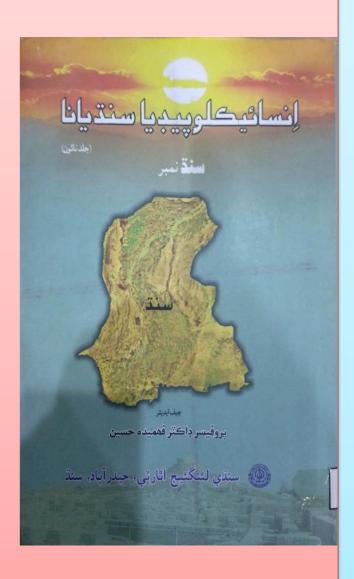
Author:

داكٽر غلام علي الانا



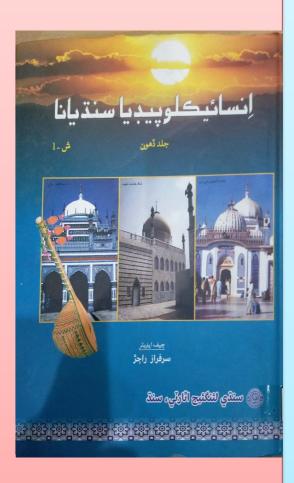
# انسائيكلو ييديا سنذيانا جلد نائون

Author: داکتر فهمیدا حسین



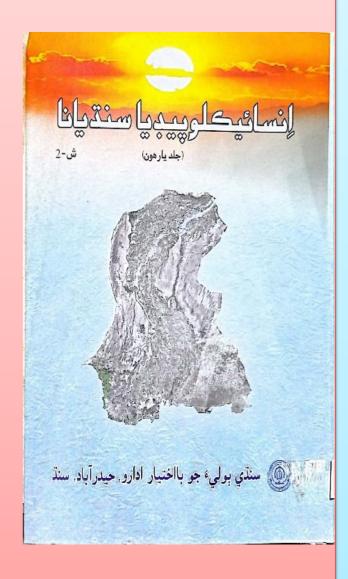
# انسائيكلو بيديا سنتيانا جلد ذهون

Author: جاکنر سرفراز راجِرٌ



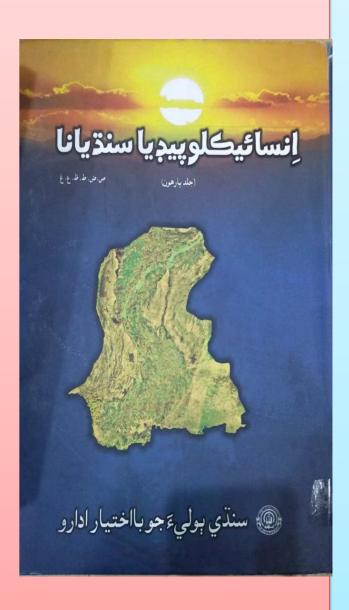
# انسكائيكلو بيديا جلد يارنهون

Author: داکتر فهمیدا حسین



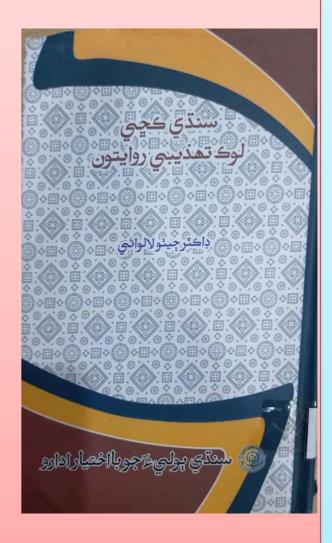
# انسائيكلو بيديا سنذيانا جلد بارنهون

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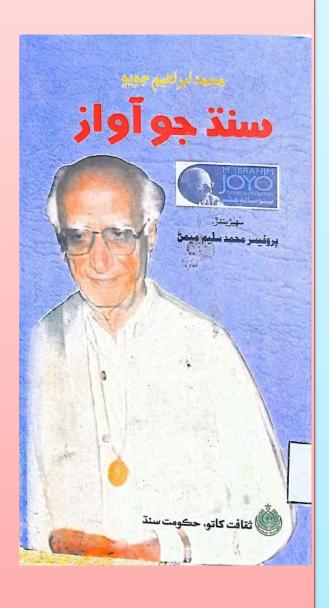
# سنڌي ڪچي لوڪ تهذيبي روايتون

Author: داکٽر ڄيٺو لالواڻي



#### محمد ابر اهيم جويو – سنڌ جو آواز

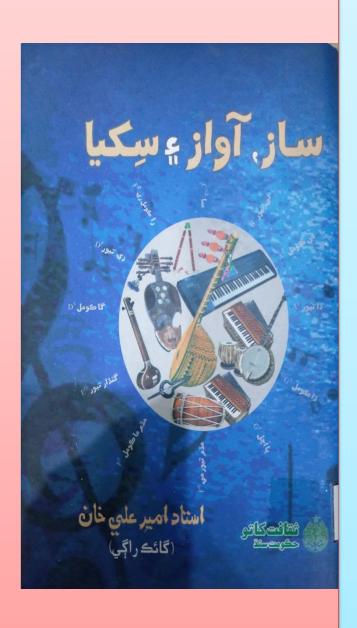
Author: باکتر پروفیسر سلیم میمڻ



## ساز، آواز ۽ سکيا

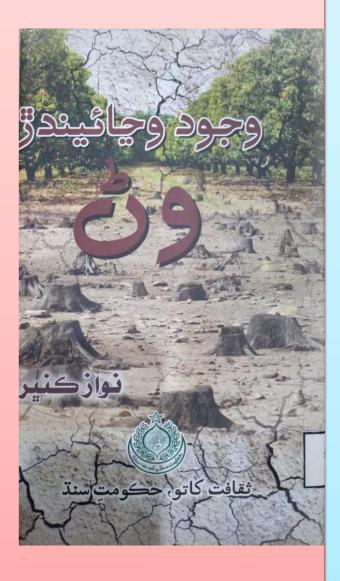
Author:

استاد امیر



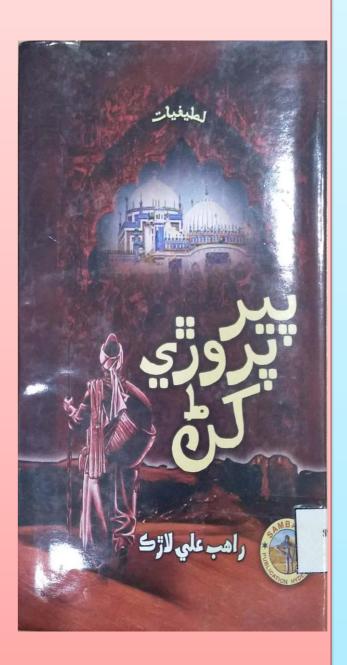
#### وجود وجائيندڙ وڻ

Author: نواز کنیر



## بير يروڙي کڻ

Author: راهب علي لاڙڪ



#### سنڌي رسم الخط بابت مضمون ۽ مقالا

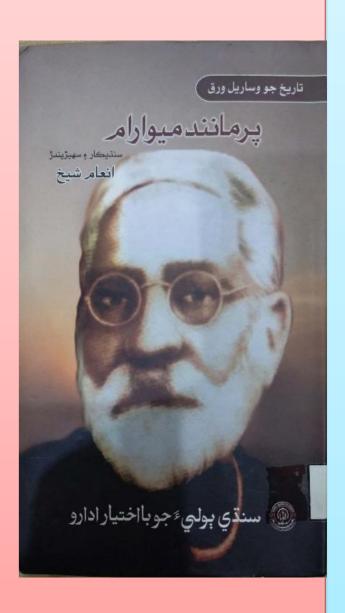
Author: مختیار ملاح



پرمانند میوارام

**Author:** 

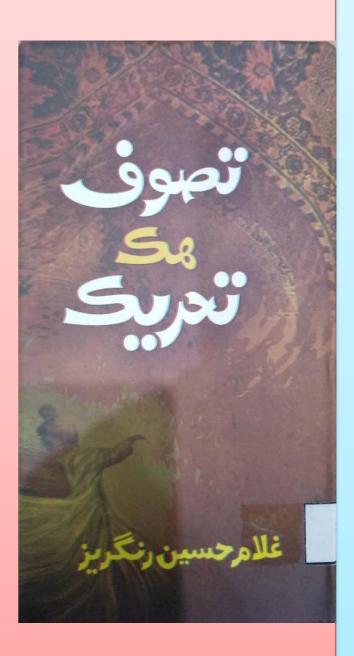
انعام شيخ



## تصوف هڪ تحريڪ

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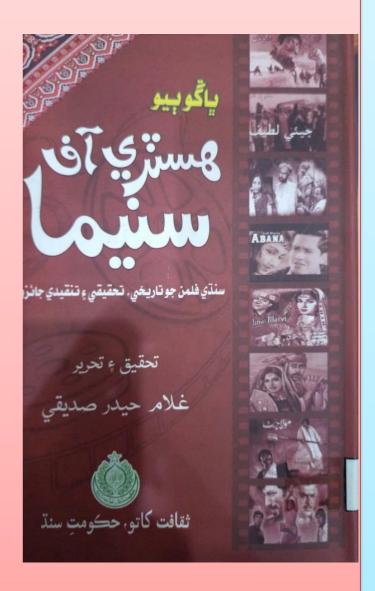
غلام حسين رنگريز



## هستری آف سنیما جلد 2

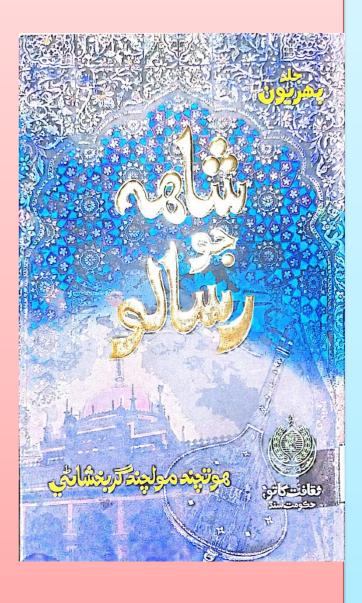
**Author:** 

غلام حيدر صديقي



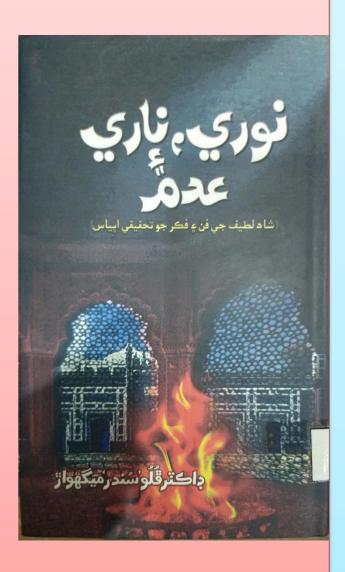
## شاهه جو رسالو (جلد يهريون)

Author: هو تچند مولچند گربخشاتی



#### نوري، ناري ۽ عدم (شاهه لطيف جي فن ۽ فڪر جو تحقيقي ابياس)

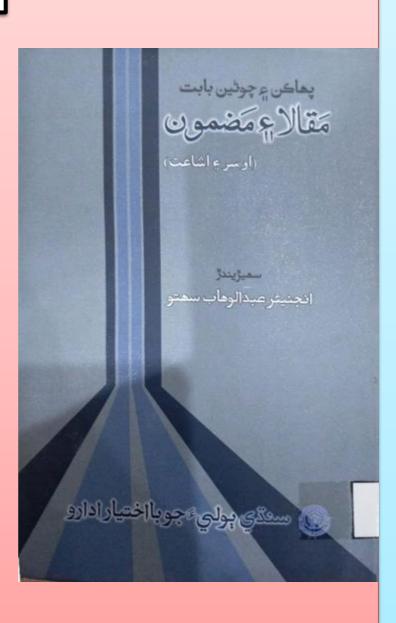
Author: داکتر فلو سندر میگهوار



#### پهاڪن ۽ چوڻين بابت مضمون ۽ مقالا

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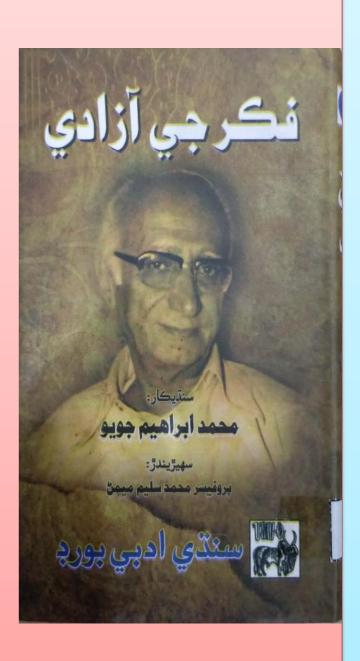
عبدالو هاب سهتو



#### ف<u>ڪر جي آز ادي</u>

**Author:** 

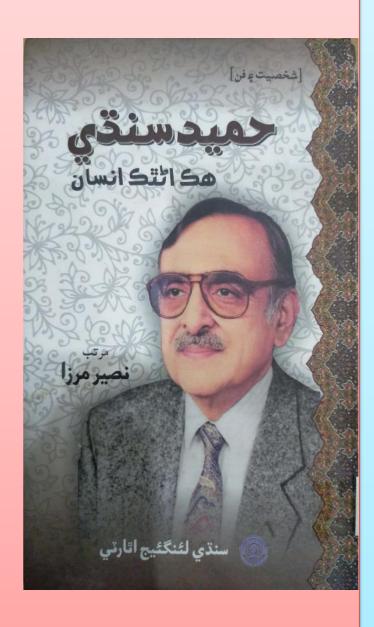
محمد ابراهيم جويو



#### حميد سنڌي اڻٿڪ انسان

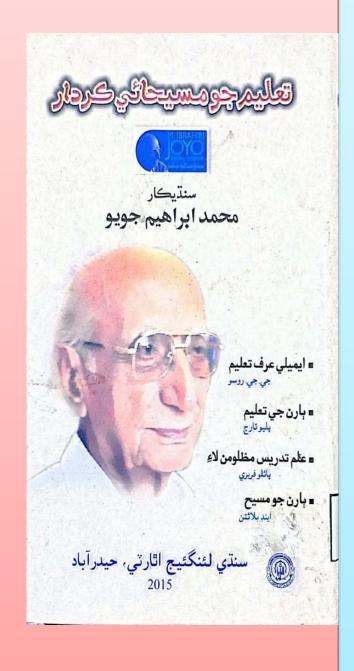
**Author:** 

نصير مرزا



#### تعليم جو مسيحائي كردار

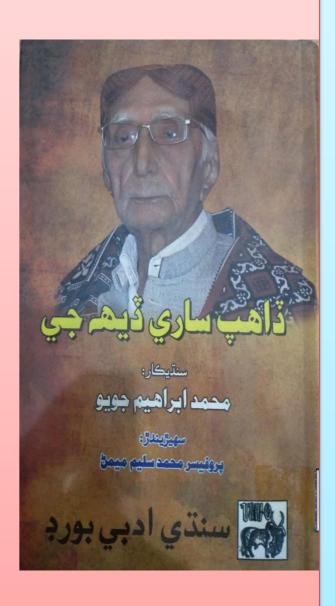
Author: محمد ابر اهیم جویو



## ڏاهب ساري ڏيهه جي

**Author:** 

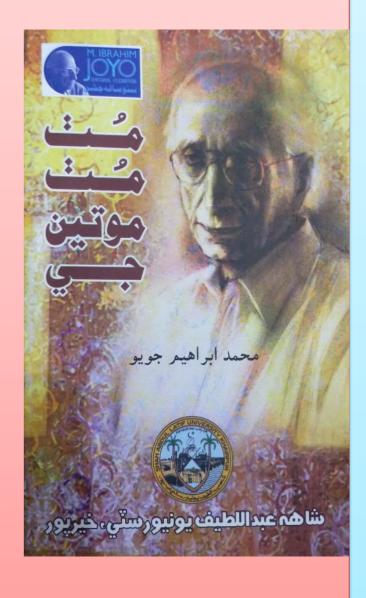
محمد ابراهيم جويو



## مُٺ مُٺ مو تين جي

**Author:** 

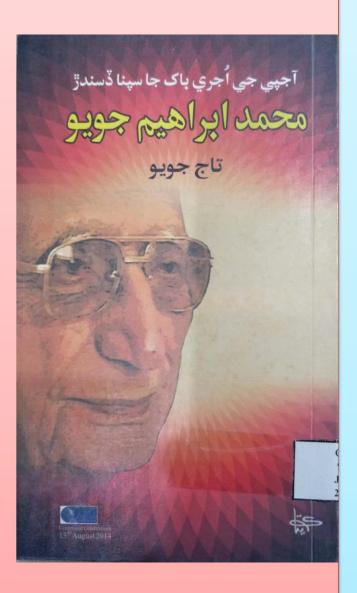
محمد ابراهيم جويو



## آجيي جي اُجري باک جا سينا ڏسندڙ محمد ابر اهيم جويو

**Author:** 

تاج جويو



#### <u>ٿر ٿر اندر ٿاڪ</u>

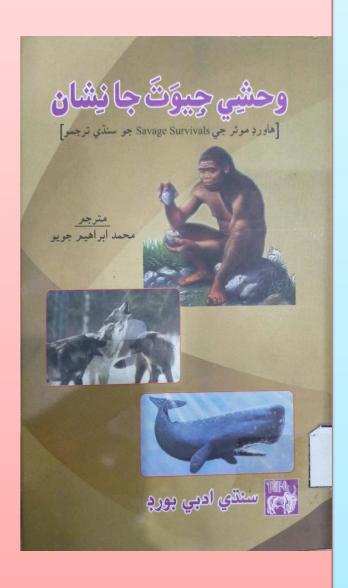
پارو مل آمراڻي سوٽهڙ Author:



#### وحشي جيوت جا نشان

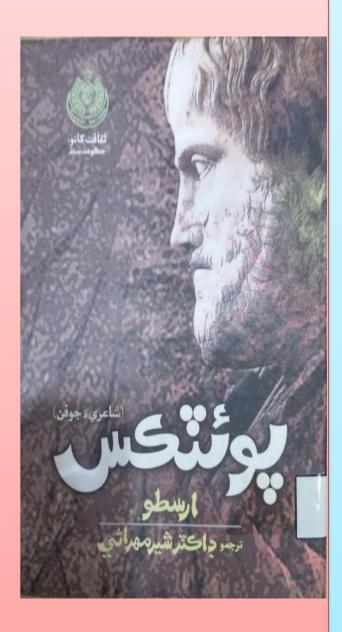
**Author:** 

هارورڊ موئر



#### بوئڏڪس (شاعريءَ جو فن)

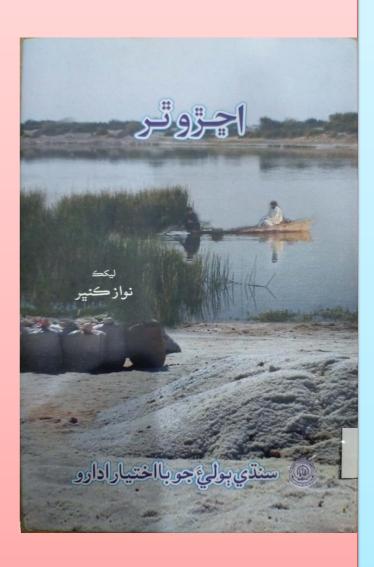
Author: I loude



## ا<u>چڙو ٿر</u>

**Author:** 

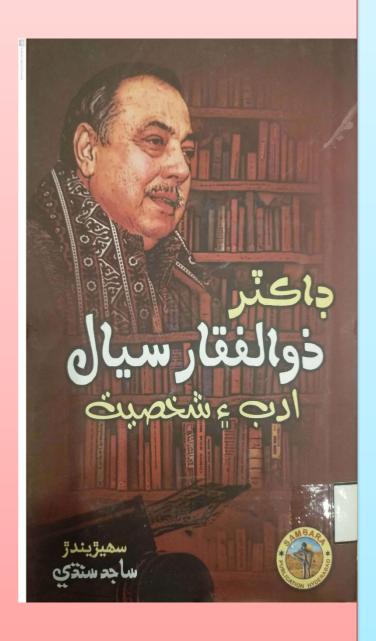
نواز ڪنڀر



## دِاكِٽر ذوالفقار سيال ادب ۽ شخصيت

**Author:** 

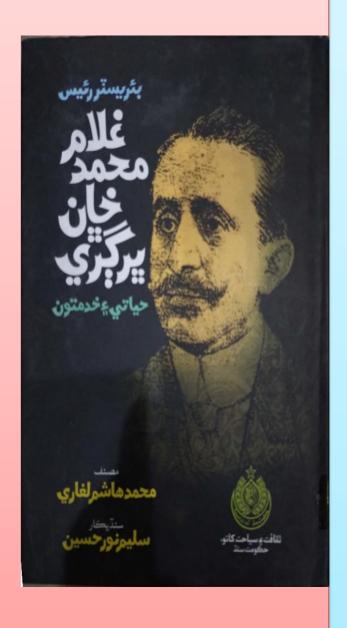
ساجد سنذي



## بير سٽر رئيس غلام محمد خان پر ڳڙي حياتي ۽ ڪم

**Author:** 

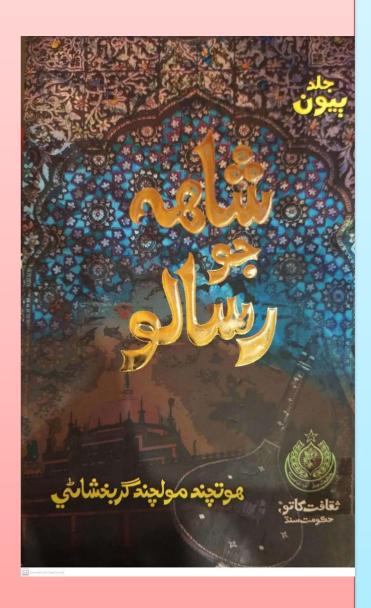
محمد هاشم لغاري



## شاه جو رسالو جلد بيون

**Author:** 

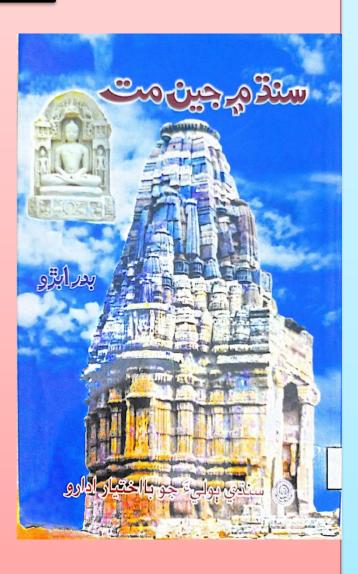
هوتچند مولچند



#### سنڌ ۾ جين مت

سال87/1986 ڌاري جڏهن مون پهريون ڀيرو ڀوڏيسر، ڪارونجهر، ويرا واه ۽ گهوڙي وارا مندر ڏٺا ته عجيب اداسي محسوس ڪئي. مندرن جي درن ۽ سر درن تي ڀڳل ٽٽل مورتيون ۽ هڪ ڀوائتي شينهن يا راڪس جون شبيهون وڏين پراسرار اکين ۽ خاموش غور سان ڏسنديون هنيون.

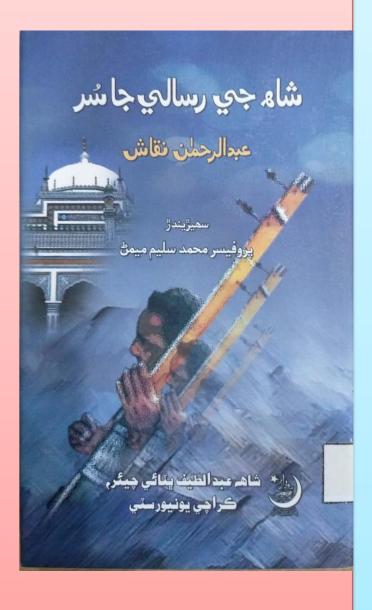
Author: بدر ابڙو سنڌي ٻولي جو بااختيار ادارو سنڌي ٻولي جو بااختيار ادارو



#### شاه جي رسالي

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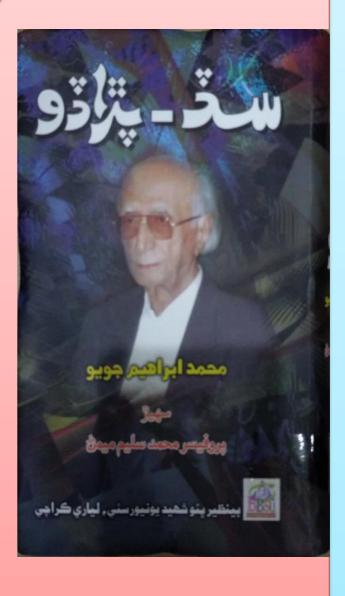
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## سڏ <u>يڙ</u> اڏ<u>و</u>

سنڌي ٻولي علم ۽ ادب جي روشن مناري محمد ابر اهيم جويي صاحب جي ڪيل علمي، ادبي، تعليمي، سياسي، سماجي سرگرمين سيمينارز ۽ ڪتابن جي اشايت جو سلسلو هلندڙ آهي بابت

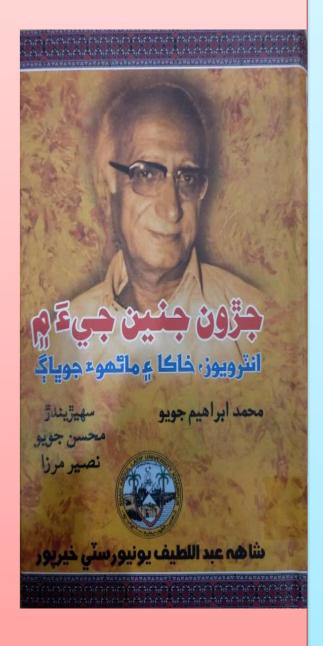
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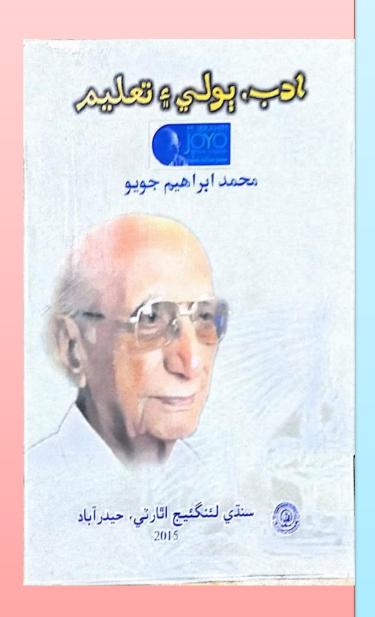
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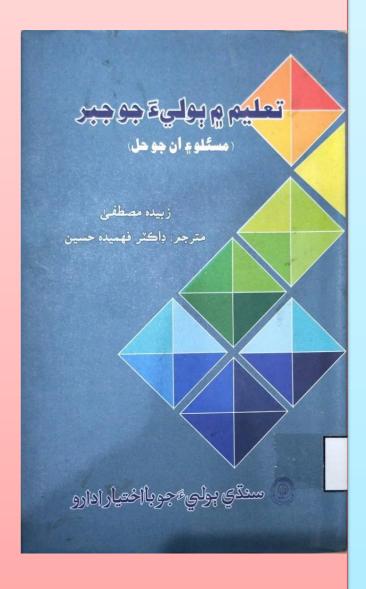


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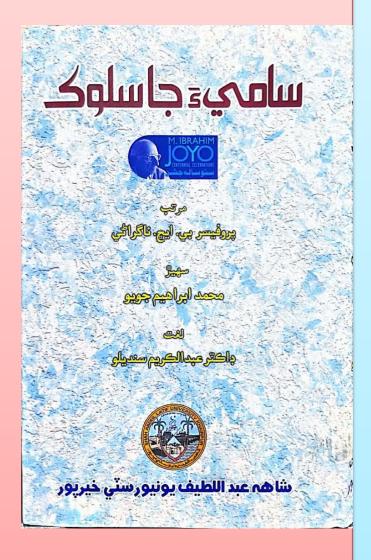
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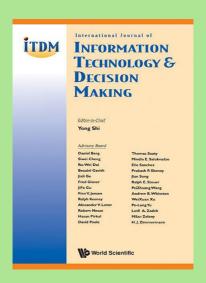
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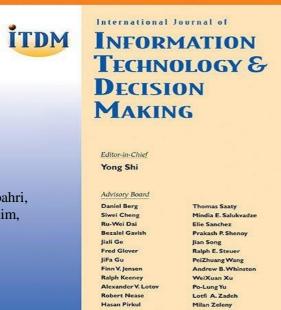
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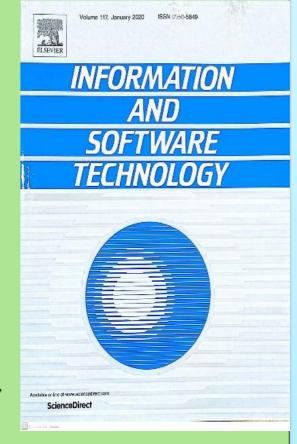
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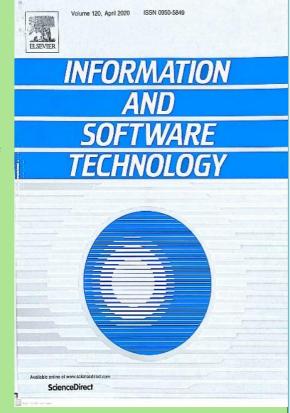
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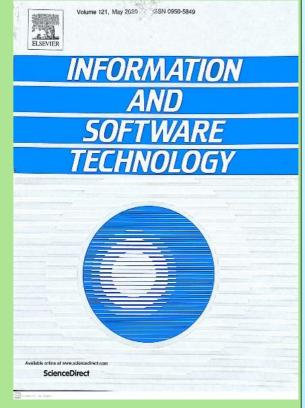
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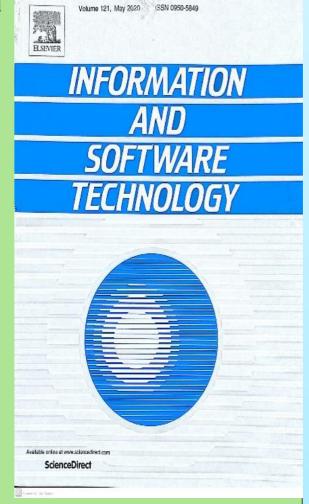
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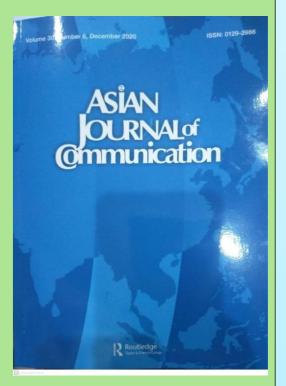
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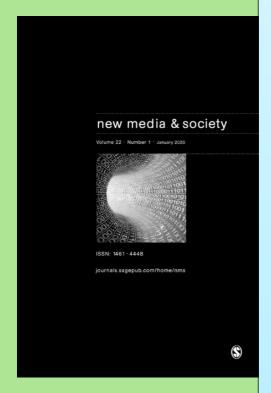
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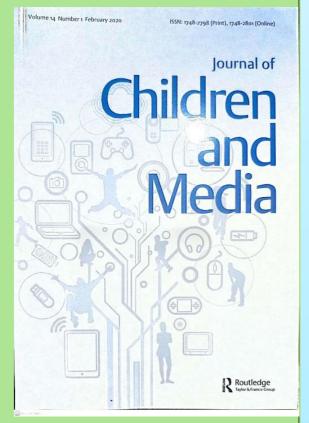
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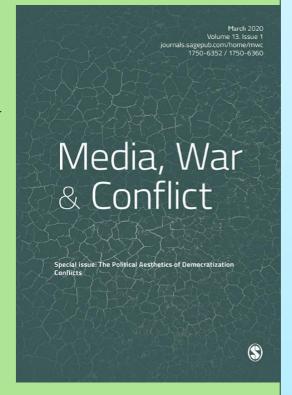
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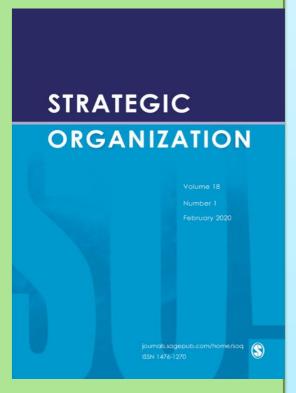
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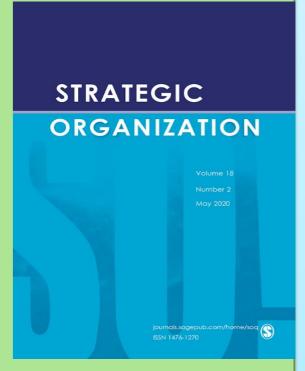
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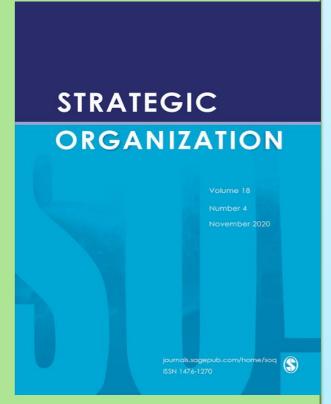
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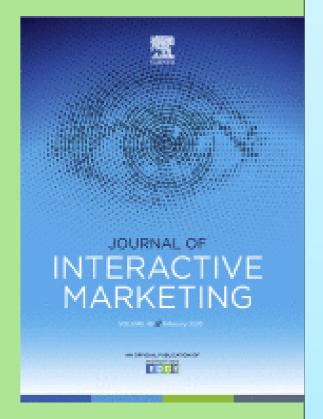
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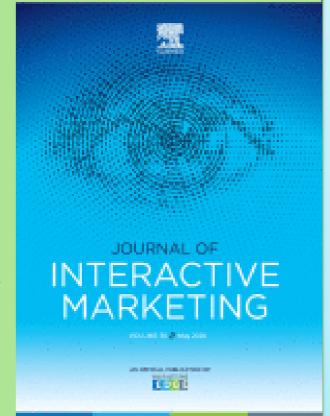
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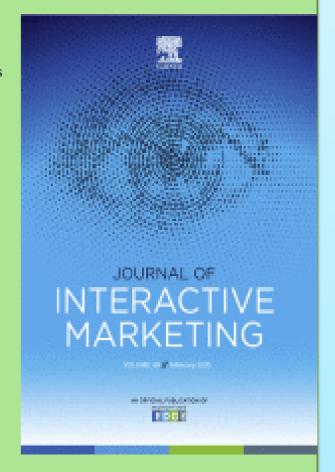
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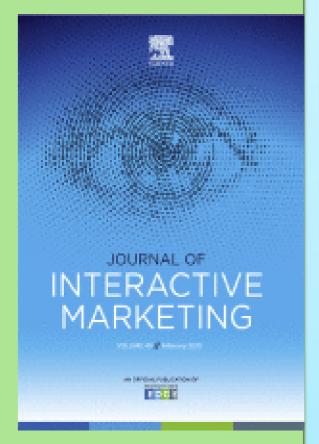
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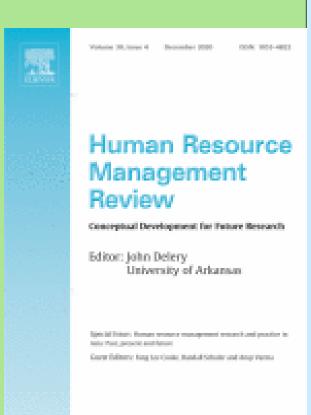
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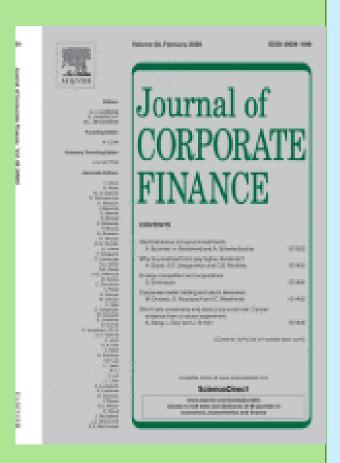
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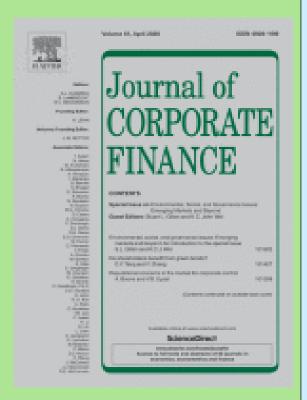
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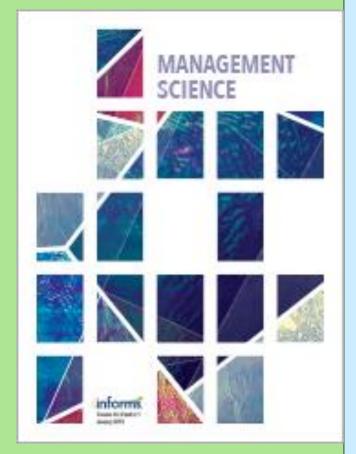
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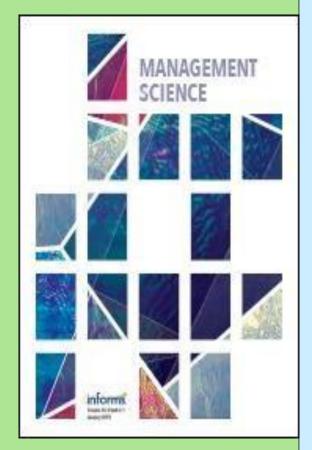
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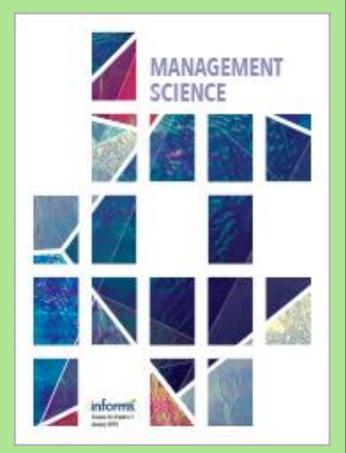
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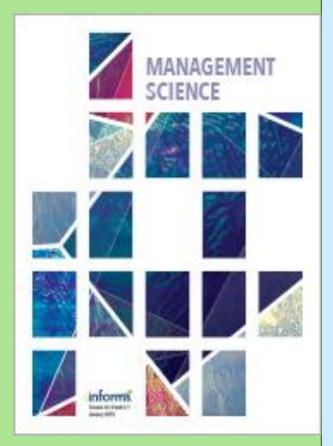
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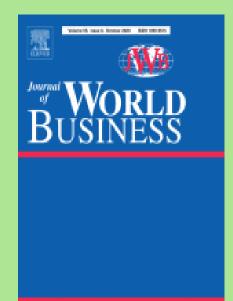
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