mba in data science

mba in data science is an emerging interdisciplinary degree that combines the strategic business and managerial skills of a Master of Business Administration (MBA) with the technical expertise in data science. As businesses increasingly rely on data-driven decision-making, professionals with a robust understanding of both business operations and data analytics are in high demand. This article explores the significance of pursuing an MBA in data science, the curriculum involved, career prospects, and key factors to consider when choosing a program. Whether you are aiming to enhance your leadership capabilities or deepen your technical knowledge, understanding the scope and benefits of an MBA in data science can guide you in making an informed decision. The following sections will provide a comprehensive overview of this specialized degree and its role in the evolving job market.

Understanding MBA in Data Science

An MBA in data science is a graduate-level program designed to blend core business administration courses with advanced data science techniques. This interdisciplinary approach equips students with skills in management, leadership, and business strategy, alongside proficiency in data analytics, machine learning, and statistical modeling. The degree addresses the growing necessity for professionals who can interpret complex data to inform business decisions effectively.

Definition and Scope

The MBA in data science integrates traditional MBA subjects such as finance, marketing, and operations management with data-centric disciplines like big data analytics, predictive modeling, and data visualization. This combination prepares graduates to tackle business challenges through data-driven insights, fostering innovation and competitive advantage in various industries.

Importance in the Modern Business Landscape

Organizations today generate massive amounts of data from multiple sources. Harnessing this data

for actionable insights requires not only technical skills but also an understanding of business contexts. Professionals with expertise in both domains are critical for driving growth, optimizing processes, and enhancing customer experiences. An MBA in data science addresses this demand by producing versatile leaders proficient in analytics and business management.

Curriculum and Skills Acquired

The curriculum of an MBA in data science typically combines core MBA courses with specialized data science subjects. This dual focus ensures that students develop a balanced skill set, blending analytical capabilities with strategic thinking.

Core Business Courses

Students undertake foundational MBA courses covering essential business functions. These usually include:

- Financial Accounting and Analysis
- Marketing Management
- Operations and Supply Chain Management
- Organizational Behavior
- Strategic Management
- Business Ethics and Leadership

Data Science and Analytics Courses

The technical component introduces students to data science methodologies and tools. Common courses include:

- Data Mining and Warehousing
- Machine Learning and Artificial Intelligence
- Big Data Technologies
- Statistical Analysis and Modeling
- Data Visualization Techniques
- Programming for Data Science (Python, R, SQL)

Skills Developed

Graduates gain a diverse range of skills such as:

1. Data-driven decision making
2. Leadership and project management
3. Technical proficiency in data analytics tools
4. Strategic thinking in business contexts
5. Effective communication of complex data insights

Career Opportunities and Industry Demand

Completing an MBA in data science opens up numerous career paths across industries that rely on data to drive business value. The degree makes graduates suitable for leadership roles where they can bridge the gap between technical teams and executive management.

Job Roles and Titles

Typical positions for MBA in data science graduates include:

- Data Science Manager
- Business Intelligence Director
- Analytics Consultant
- Chief Data Officer (CDO)
- Product Manager with Analytics Focus
- Operations Research Analyst

Industry Sectors

Demand for MBA in data science professionals spans various sectors such as:

- Technology and Software Development

- Financial Services and Banking
- Healthcare and Pharmaceuticals
- Retail and E-commerce
- Manufacturing and Supply Chain
- Consulting and Professional Services

Market Trends and Salary Expectations

The increasing reliance on big data analytics is driving robust growth in demand for data-savvy business leaders. Salaries for MBA in data science professionals tend to be above average, reflecting their specialized skill set and strategic value to organizations.

Top Specializations Within MBA in Data Science

The MBA in data science often offers various specializations that allow students to tailor their education toward specific industries or skill sets. Choosing a specialization can enhance career prospects in targeted fields.

Business Analytics

This specialization focuses on analyzing business data to improve decision-making processes. It emphasizes predictive analytics, performance metrics, and customer insights.

Financial Data Science

Combining finance with data science, this track prepares students for roles in risk management, investment analysis, and financial modeling using advanced data techniques.

Marketing Analytics

This area centers on leveraging data to optimize marketing campaigns, customer segmentation, and product positioning, enhancing marketing effectiveness.

Operations and Supply Chain Analytics

This specialization targets improving operational efficiency and supply chain management through data-driven strategies, including inventory optimization and demand forecasting.

Choosing the Right MBA in Data Science Program

Selecting the appropriate MBA in data science program is crucial to align educational outcomes with career goals. Several factors should be considered to ensure the program meets professional and academic expectations.

Accreditation and Reputation

Accredited programs from reputable institutions provide quality education and greater recognition in the job market. Accreditation bodies ensure the curriculum meets industry standards.

Curriculum and Faculty Expertise

Reviewing the curriculum helps determine the program's focus and comprehensiveness. Faculty with industry experience and research expertise in data science and business administration add significant value.

Flexibility and Format

Programs may be offered full-time, part-time, online, or hybrid. Flexibility is important for working professionals balancing education with career responsibilities.

Industry Connections and Internship Opportunities

Strong ties with industry leaders and opportunities for internships or practical projects enhance learning and improve job placement prospects.

Benefits of Earning an MBA in Data Science

Obtaining an MBA in data science offers multiple advantages that can accelerate career advancement and increase earning potential. The degree cultivates a unique blend of skills that are highly sought after in the modern workforce.

Enhanced Leadership and Analytical Skills

The program develops critical thinking, problem-solving, and leadership abilities combined with technical data science expertise, enabling graduates to lead data-driven initiatives effectively.

Broader Career Opportunities

Graduates can pursue diverse roles across sectors, including executive positions, which require a strategic understanding of both business and analytics.

Competitive Advantage

Possessing an MBA in data science differentiates candidates in the job market by demonstrating proficiency in managing data and leveraging it for strategic business growth.

Networking and Professional Growth

The program facilitates connections with peers, faculty, and industry professionals, creating valuable networks that support ongoing career development.

Frequently Asked Questions

What is an MBA in Data Science?

An MBA in Data Science is a graduate program that combines core business management principles with advanced data science techniques, preparing students to leverage data analytics in making strategic business decisions.

What are the career prospects after completing an MBA in Data Science?

Graduates can pursue roles such as Data Scientist, Business Analyst, Data Analytics Manager, Chief Data Officer, or Consultant in various industries including finance, healthcare, technology, and retail.

How long does it typically take to complete an MBA in Data Science?

Most MBA in Data Science programs take about 1 to 2 years to complete, depending on whether the student attends full-time or part-time.

What are the key subjects covered in an MBA in Data Science program?

Key subjects usually include Data Analytics, Machine Learning, Business Intelligence, Big Data Technologies, Statistics, Business Strategy, and Leadership.

Is prior experience in data science required to enroll in an MBA in Data Science?

While some programs prefer candidates with a background in STEM or data-related fields, many accept students from diverse academic and professional backgrounds, offering foundational courses to bridge knowledge gaps.

How does an MBA in Data Science differ from a traditional MBA?

An MBA in Data Science focuses more on data-driven decision making, analytics, and technology, whereas a traditional MBA covers broader management topics without deep emphasis on data science techniques.

Are there online options available for pursuing an MBA in Data Science?

Yes, many universities offer online or hybrid MBA in Data Science programs, providing flexibility for working professionals to study remotely while balancing their careers.

What skills will I gain from an MBA in Data Science?

Students gain skills in data analysis, statistical modeling, machine learning, business strategy, leadership, data-driven decision making, and effective communication of technical insights to non-technical stakeholders.

Additional Resources

1. *Data Science for Business: What You Need to Know about Data Mining and Data-Analytic Thinking*
This book bridges the gap between business strategy and data science by explaining how data analytics can drive better decision-making. It introduces core principles of data mining and analytical thinking in a business context. MBA students will benefit from its practical approach to leveraging data for competitive advantage.

2. *Data Science for MBA Students: A Guide to Data-Driven Decision Making*
Specifically tailored for MBA students, this book covers essential data science concepts and tools used in business environments. It emphasizes the application of data analytics techniques to solve real-world business problems. The book also explores case studies demonstrating data-driven strategies in various industries.

3. *Python for Data Analysis: Data Wrangling with Pandas, NumPy, and IPython*
While not exclusively for MBA students, this book is an excellent resource for learning data analysis using Python, a key skill in data science. It guides readers through manipulating, processing, and analyzing data effectively. MBA professionals can leverage these skills to enhance their data-driven insights.

4. *Data-Driven: Creating a Data Culture*
This book focuses on the organizational and cultural aspects of implementing data science in business. It offers insights on how companies can foster a data-centric mindset among teams and leadership. MBA students will gain understanding of the challenges and strategies for building successful data-driven organizations.

5. *Business Analytics: Data Analysis & Decision Making*
A comprehensive textbook that combines statistical methods and data analytics techniques with

business decision-making. It covers predictive modeling, optimization, and risk analysis, providing tools essential for MBA students specializing in data science. The book includes practical examples and exercises to reinforce learning.

6. *Machine Learning for Business: Using Amazon SageMaker and Jupyter*
This book introduces machine learning concepts with a focus on business applications. It explains how to use platforms like Amazon SageMaker to develop and deploy machine learning models. MBA students will find this resource useful for understanding how to integrate machine learning into business workflows.

7. *The Data Warehouse Toolkit: The Definitive Guide to Dimensional Modeling*
A foundational text on data warehousing and dimensional modeling, crucial for managing large business data sets. It explains design techniques that support efficient data analysis and reporting. MBA students interested in data infrastructure and analytics will find this book invaluable.

8. *Storytelling with Data: A Data Visualization Guide for Business Professionals*
This book teaches how to communicate data insights effectively through visualization. It emphasizes clarity, storytelling, and design principles that make complex data accessible. MBA students can improve their ability to present analytical findings persuasively to stakeholders.

9. *Artificial Intelligence for Business: A Roadmap for Getting Started with AI*
Focusing on AI's role in transforming business, this book outlines practical steps for adopting AI technologies. It covers strategy, implementation challenges, and ethical considerations. MBA students will benefit from understanding how AI complements data science in driving innovation and business growth.

Mba In Data Science

mba in data science: Big Data MBA Bill Schmarzo, 2015-12-11 Integrate big data into business to drive competitive advantage and sustainable success Big Data MBA brings insight and expertise to leveraging big data in business so you can harness the power of analytics and gain a true business advantage. Based on a practical framework with supporting methodology and hands-on exercises, this book helps identify where and how big data can help you transform your business. You'll learn how to exploit new sources of customer, product, and operational data, coupled with advanced analytics and data science, to optimize key processes, uncover monetization opportunities, and create new sources of competitive differentiation. The discussion includes guidelines for operationalizing analytics, optimal organizational structure, and using analytic insights throughout your organization's user experience to customers and front-end employees alike. You'll learn to "think like a data scientist" as you build upon the decisions your business is trying to make, the hypotheses you need to test, and the predictions you need to produce. Business stakeholders no longer need to relinquish control of data and analytics to IT. In fact, they must champion the organization's data collection and analysis efforts. This book is a primer on the business approach to

analytics, providing the practical understanding you need to convert data into opportunity. Understand where and how to leverage big data Integrate analytics into everyday operations Structure your organization to drive analytic insights Optimize processes, uncover opportunities, and stand out from the rest Help business stakeholders to “think like a data scientist” Understand appropriate business application of different analytic techniques If you want data to transform your business, you need to know how to put it to use. Big Data MBA shows you how to implement big data and analytics to make better decisions.

mba in data science: Data Science Careers, Training, and Hiring Renata Rawlings-Goss, 2019-08-02 This book is an information packed overview of how to structure a data science career, a data science degree program, and how to hire a data science team, including resources and insights from the authors experience with national and international large-scale data projects as well as industry, academic and government partnerships, education, and workforce. Outlined here are tips and insights into navigating the data ecosystem as it currently stands, including career skills, current training programs, as well as practical hiring help and resources. Also, threaded through the book is the outline of a data ecosystem, as it could ultimately emerge, and how career seekers, training programs, and hiring managers can steer their careers, degree programs, and organizations to align with the broader future of data science. Instead of riding the current wave, the author ultimately seeks to help professionals, programs, and organizations alike prepare a sustainable plan for growth in this ever-changing world of data. The book is divided into three sections, the first “Building Data Careers”, is from the perspective of a potential career seeker interested in a career in data, the second “Building Data Programs” is from the perspective of a newly forming data science degree or training program, and the third “Building Data Talent and Workforce” is from the perspective of a Data and Analytics Hiring Manager. Each is a detailed introduction to the topic with practical steps and professional recommendations. The reason for presenting the book from different points of view is that, in the fast-paced data landscape, it is helpful to each group to more thoroughly understand the desires and challenges of the other. It will, for example, help the career seekers to understand best practices for hiring managers to better position themselves for jobs. It will be invaluable for data training programs to gain the perspective of career seekers, who they want to help and attract as students. Also, hiring managers will not only need data talent to hire, but workforce pipelines that can only come from partnerships with universities, data training programs, and educational experts. The interplay gives a broader perspective from which to build.

mba in data science: Data Science for Business Foster Provost, Tom Fawcett, 2013-07-27 Written by renowned data science experts Foster Provost and Tom Fawcett, Data Science for Business introduces the fundamental principles of data science, and walks you through the data-analytic thinking necessary for extracting useful knowledge and business value from the data you collect. This guide also helps you understand the many data-mining techniques in use today. Based on an MBA course Provost has taught at New York University over the past ten years, Data Science for Business provides examples of real-world business problems to illustrate these principles. You’ll not only learn how to improve communication between business stakeholders and data scientists, but also how participate intelligently in your company’s data science projects. You’ll also discover how to think data-analytically, and fully appreciate how data science methods can support business decision-making. Understand how data science fits in your organization—and how you can use it for competitive advantage Treat data as a business asset that requires careful investment if you’re to gain real value Approach business problems data-analytically, using the data-mining process to gather good data in the most appropriate way Learn general concepts for actually extracting knowledge from data Apply data science principles when interviewing data science job candidates

mba in data science: Machine Intelligence and Data Science Applications Amar Ramdane-Cherif, T. P. Singh, Ravi Tomar, Tanupriya Choudhury, Jung-Sup Um, 2023-09-01 This book is a compilation of peer-reviewed papers presented at the International Conference on Machine Intelligence and Data Science Applications (MIDAS 2022), held on October 28 and 29, 2022, at the

University of Versailles—Paris-Saclay, France. The book covers applications in various fields like data science, machine intelligence, image processing, natural language processing, computer vision, sentiment analysis, and speech and gesture analysis. It also includes interdisciplinary applications like legal, healthcare, smart society, cyber-physical system, and smart agriculture. The book is a good reference for computer science engineers, lecturers/researchers in the machine intelligence discipline, and engineering graduates.

mba in data science: The Data Scientist and his Demons Heverton Anunciação, 2025-08-15 Yes, it's true that the devil can be in the details What are the best characteristics of an excellent data scientist or statistician? You are mistaken if you thought about mathematical knowledge or mastery of data tools! Those receiving salaries of up to thousands of reais per day of work have something in common: they are humble and know that they are never sure, but they persistently know how to "create" bridges between information repositories or even departments of people. This same data scientist will have to break boundaries between departmental areas that do not speak to each other to reach a common and ideal result for the short, medium or long term. Each of these professionals who share their knowledge in this book presents their own experience of how to involve data, people, and techniques. At times, this same data scientist acts as a "data therapist", understanding your past and traumas, going back in time to understand your evolution to transform this same data into "digital wisdom" and get the best out of it. A company that does not apply data science with CRM, Customer Experience, Commercial Intelligence and other concepts to constantly reformulate itself, as a brand and product, may have its days numbered. Show your data to an extremely qualified data scientist, and he or she will tell you what future your company will have. Would your company have the courage to have a professional with this skill? The market is looking for you: data scientist.

mba in data science: The Data Science Framework Juan J. Cuadrado-Gallego, Yuri Demchenko, 2020-10-01 This edited book first consolidates the results of the EU-funded EDISON project (Education for Data Intensive Science to Open New science frontiers), which developed training material and information to assist educators, trainers, employers, and research infrastructure managers in identifying, recruiting and inspiring the data science professionals of the future. It then deepens the presentation of the information and knowledge gained to allow for easier assimilation by the reader. The contributed chapters are presented in sequence, each chapter picking up from the end point of the previous one. After the initial book and project overview, the chapters present the relevant data science competencies and body of knowledge, the model curriculum required to teach the required foundations, profiles of professionals in this domain, and use cases and applications. The text is supported with appendices on related process models. The book can be used to develop new courses in data science, evaluate existing modules and courses, draft job descriptions, and plan and design efficient data-intensive research teams across scientific disciplines.

mba in data science: *Getting Started with Data Science* Murtaza Haider, 2015-12-14 Master Data Analytics Hands-On by Solving Fascinating Problems You'll Actually Enjoy! Harvard Business Review recently called data science "The Sexiest Job of the 21st Century." It's not just sexy: For millions of managers, analysts, and students who need to solve real business problems, it's indispensable. Unfortunately, there's been nothing easy about learning data science–until now. Getting Started with Data Science takes its inspiration from worldwide best-sellers like Freakonomics and Malcolm Gladwell's Outliers: It teaches through a powerful narrative packed with unforgettable stories. Murtaza Haider offers informative, jargon-free coverage of basic theory and technique, backed with plenty of vivid examples and hands-on practice opportunities. Everything's software and platform agnostic, so you can learn data science whether you work with R, Stata, SPSS, or SAS. Best of all, Haider teaches a crucial skillset most data science books ignore: how to tell powerful stories using graphics and tables. Every chapter is built around real research challenges, so you'll always know why you're doing what you're doing. You'll master data science by answering fascinating questions, such as: • Are religious individuals more or less likely to have

extramarital affairs? • Do attractive professors get better teaching evaluations? • Does the higher price of cigarettes deter smoking? • What determines housing prices more: lot size or the number of bedrooms? • How do teenagers and older people differ in the way they use social media? • Who is more likely to use online dating services? • Why do some purchase iPhones and others Blackberry devices? • Does the presence of children influence a family's spending on alcohol? For each problem, you'll walk through defining your question and the answers you'll need; exploring how others have approached similar challenges; selecting your data and methods; generating your statistics; organizing your report; and telling your story. Throughout, the focus is squarely on what matters most: transforming data into insights that are clear, accurate, and can be acted upon.

mba in data science: *Data Science Jobs* Ann Rajaram, Want a high-paying $$$ career in the exciting field of DataScience? This is the ONLY book that will help you land a lucrative Analytics job in 90 days or less! This book is the perfect guide for you, if you fall into any of these categories: * You recently completed a masters degree (or online course or bootcamp) and want to get hired quickly as a Data Scientist, Data Analyst, Data Engineer, Machine learning engineer or BI developer. * Looking to start a career in data science, but unsure where to start. * You are an experienced tech professional, but looking to pivot into analytics to boost your salary potential. * Tired of applying to dozens of jobs without getting a positive response and/or final job offer . * F1 visa, STEM OPT/ CPT students will also find this book helpful to land a job in this lucrative field. The book will teach you proven successful strategies on: * Winning Profiles Turbocharge your resume and LinkedIn profile and start receiving interview calls from hiring managers. Let JOBS CHASE YOU, instead of the other way around! * LinkedIn - A dedicated chapter on LinkedIn that teaches you some creative (and SECRET) ways to leverage the site and identify high-paying jobs with low competition. * Niche sites - A full list of niche job boards that other candidates have overlooked. These sites have high-$ jobs but lesser competition than the popular job search sites. Upwork - Contrary to popular opinion, Upwork can help you make $$$ in data science jobs. Learn proven techniques to help you bag contracts and start earning, as quickly as next week. * 100+ interview questions asked in real-life data scientist interviews. * Other learner resources and much more... Author is a practicing analytics professional who has worked in Fortune500 Firms like NASDAQ , BlackRock, etc. Unlike most job search books that are written by recruiters or professors, this book is written by a senior professional, who rose quickly from analyst to managerial roles. She has attended interviews of her own, and knows clearly the frustrations (and at times, hopelessness) of the job search process. The systems in this book have successfully helped dozens of job seekers and will work effectively for you too! Read on to launch your dream career! Note, this book is deliberately kept short and precise, so you can quickly read through and start applying these principles, instead of sifting through 500 pages of fluff. This book includes: Data Science interview questions and answers; Help preparing for Machine Learning Interviews; Top 25 Interview Questions for Data Analyst/Scientist roles; An in-depth overview of Data Science Interview Process; How to ace your interview even if you are an Entry level Data Analyst / Data Scientist; Data Science Interview questions for freshers; How and Where to look for jobs; and much more!

mba in data science: Big Data MBA Bill Schmarzo, 2015-12-21 Integrate big data into business to drive competitive advantage and sustainable success Big Data MBA brings insight and expertise to leveraging big data in business so you can harness the power of analytics and gain a true business advantage. Based on a practical framework with supporting methodology and hands-on exercises, this book helps identify where and how big data can help you transform your business. You'll learn how to exploit new sources of customer, product, and operational data, coupled with advanced analytics and data science, to optimize key processes, uncover monetization opportunities, and create new sources of competitive differentiation. The discussion includes guidelines for operationalizing analytics, optimal organizational structure, and using analytic insights throughout your organization's user experience to customers and front-end employees alike. You'll learn to "think like a data scientist" as you build upon the decisions your business is trying to make, the hypotheses you need to test, and the predictions you need to produce. Business

stakeholders no longer need to relinquish control of data and analytics to IT. In fact, they must champion the organization's data collection and analysis efforts. This book is a primer on the business approach to analytics, providing the practical understanding you need to convert data into opportunity. Understand where and how to leverage big data Integrate analytics into everyday operations Structure your organization to drive analytic insights Optimize processes, uncover opportunities, and stand out from the rest Help business stakeholders to “think like a data scientist” Understand appropriate business application of different analytic techniques If you want data to transform your business, you need to know how to put it to use. Big Data MBA shows you how to implement big data and analytics to make better decisions.

mba in data science: Essentials of Data Science and Analytics Amar Sahay, 2021-07-06 Data science and analytics have emerged as the most desired fields in driving business decisions. Using the techniques and methods of data science, decision makers can uncover hidden patterns in their data, develop algorithms and models that help improve processes and make key business decisions. Data science is a data driven decision making approach that uses several different areas and disciplines with a purpose of extracting insights and knowledge from structured and unstructured data. The algorithms and models of data science along with machine learning and predictive modeling are widely used in solving business problems and predicting future outcomes. This book combines the key concepts of data science and analytics to help you gain a practical understanding of these fields. The four different sections of the book are divided into chapters that explain the core of data science. Given the booming interest in data science, this book is timely and informative.

mba in data science: The Art of Data Science Douglas A. Gray, 2025-03-13 Although change is constant in business and analytics, some fundamental principles and lessons learned are truly timeless, extending and surviving beyond the rapid ongoing evolution of tools, techniques, and technologies. Through a series of articles published over the course of his 30+ year career in analytics and technology, Doug Gray shares the most important lessons he has learned – with colleagues and students as well – that have helped to ensure success on his journey as a practitioner, leader, and educator. The reader witnesses the Analytical Sciences profession through the mind’s eye of a practitioner who has operated at the forefront of analytically inclined organizations, such as American Airlines and Walmart, delivering solutions that generate hundreds of millions of dollars annually in business value, and an educator teaching students and conducting research at a leading university. Through real-world project case studies, first-hand stories, and practical examples, we learn the foundational truth underlying successful analytics applications. From bridging theory and practice, to playing a role as a consultant in digital transformation, to understanding how analytics can be economically transformational, identifying required soft skills like leadership skills, and understanding the reasons why data science projects often fail, the reader can better visualize and understand the nuanced, multidimensional nature of Analytical Sciences best practices, projects, and initiatives. The readers will gain a broad perspective on where and how to find success with Analytical Sciences, including the ability to ensure that we apply the right tool, at the right time and right place, and sometimes in different industries. Finally, through the author’s own career synopsis on becoming a practitioner and leader, and his distilled insights, the reader is offered a view into the future that analytics holds, along with some invaluable career advice regarding where to focus, how to make good choices, and how to measure success individually and organizationally.

mba in data science: Data Scientist Diploma (master's level) - City of London College of Economics - 6 months - 100% online / self-paced City of London College of Economics, Overview This diploma course covers all aspects you need to know to become a successful Data Scientist. Content - Getting Started with Data Science - Data Analytic Thinking - Business Problems and Data Science Solutions - Introduction to Predictive Modeling: From Correlation to Supervised Segmentation - Fitting a Model to Data - Overfitting and Its Avoidance - Similarity, Neighbors, and Clusters Decision Analytic Thinking I: What Is a Good Model? - Visualizing Model Performance - Evidence and Probabilities - Representing and Mining Text - Decision Analytic Thinking II: Toward Analytical Engineering - Other Data Science Tasks and Techniques - Data Science and Business Strategy -

Machine Learning: Learning from Data with Your Machine. - And much more Duration 6 months Assessment The assessment will take place on the basis of one assignment at the end of the course. Tell us when you feel ready to take the exam and we'll send you the assignment questions. Study material The study material will be provided in separate files by email / download link.

mba in data science: *Data Science Building Blocks* Jyothsna Sravanthi, Malaya Rout, Radhakrishnan Guhan, 2020-04-14 Data Science Building Blocks is a result of the authors' many years of industry experience in data science and their various interactions with learners whose conversations also figure in this content. The book is aimed at familiarising aspirants and beginners with the basics of data science. These building blocks will help you build your analytics dream house. When it is done, don't forget to invite us and share your success story over a cup of coffee.

mba in data science: *Data Science and Analytics* Sneha Kumari, K.K. Tripathy, Vidya Kumbhar, 2020-12-04 Data Science and Analytics explores the application of big data and business analytics by academics, researchers, industrial experts, policy makers and practitioners, helping the reader to understand how big data can be efficiently utilized in better managerial applications.

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mba in data science: Afro-global Management Innovation Practices Marius Ungerer , with contributions by Johan Herholdt and Anton Schlechter, 2021-11-15 This book represents views, frameworks and practices on stimulating and realising our optimal potential as human beings in the context of a workplace where there is a desire to achieve shared goals and aspirations in order to accomplish positive economic, societal and environmental impacts and outcomes. It describes a vision of how life and work in organisations could be. We describe a new kind of organisation. Being a good person and doing good things while making profit are a real possibility for those management innovators who think beyond immediate trade-offs. In this book we explore management innovation as core study field and arena for re-inventing and re-imagining how people in organisations could execute management activities such as planning, organising, leading and controlling for multiple stakeholder satisfaction and benefits. Work can be much more joyful and fulfilling than we think, but it requires courage from us to take responsibility when freedom is offered.

mba in data science: *Interdisciplinary Research in Technology and Management* Satyajit Chakrabarti, Ashiq A. Sakib, Souti Chattopadhyay, Sanghamitra Poddar, Anupam Bhattacharya, Malay Gangopadhyaya, 2024-05-30 IRTM 2023 We live in an inter-connected world. In the era of Industry 5.0, technology is getting embedded more and more in the way 'we learn, live, work and play'. This progression is accelerating at a pace never seen before. Inter disciplinary and collaborative research across disciplines within the Technology domain and Management domain, and across the Technology — Management interface is opening up exciting new possibilities for solving problems whose solutions are beyond the scope of a single discipline, domain or practice, and helping to create a brave, new world. We are living in an incredible time of change. Our effort to hold such an interdisciplinary conference, in the virtual mode, apparently resonated across the academic community, as was evident from the huge response that the first ever conference on "Interdisciplinary Research in Technology and Management", (IRTM) held in February 2021 had received from participants across many countries. This has encouraged the organizers to hold the next edition of the conference physically in Kolkata on a larger scale in the online mode. The pandemic unleashed by Covid 19 in the last two years has shaken the socio-economic foundations of countries and societies to a point where the world cannot be the same as before the pandemic. It has re-focused the world's attention on the priority of healthcare, and healthcare infrastructure and its innovative management. Inevitably, questions have again been raised more vehemently on what kind of a world we want to live in. Environmental concerns are being pursued with renewed vigour, The urgency of developing new, robust infrastructure relevant for the new world is gaining wider

consensus. By 2030, as reports suggest, cyber – physical systems, internet of things and wearable technology will be everywhere and in everything, renewable energy will power the world, and digital entertainment will take centre stage among other developments. The third edition of the conference on “Interdisciplinary Research in Technology and Management” attempts to spotlight the above concerns. The number of tracks on which papers are invited from scholars, researchers, consultants and practitioners to share their interdisciplinary research and consultative work has been enlarged. As before, the papers will be peer reviewed and authors of the selected papers will be invited to present their papers in the IRTM conference. The presentation of papers will be interspersed with Keynote Talks by eminent experts on the theme of the conference or individual domains.

mba in data science: Future-Proofing Emerging Technologies for Business Transformation Krishnamoorthy, Ravichandran, Rangaswamy, Easwaramoorthy, 2025-05-01 Digital disruption is reshaping industries at an unprecedented pace, compelling businesses to rethink traditional models and embrace innovation. Technologies like AI, machine learning, blockchain, IoT, and big data analytics are not just enhancing efficiency but also redefining competitiveness, customer engagement, and sustainability. To thrive in this rapidly evolving landscape, organizations must adopt strategic transformation, redesigning processes and fostering a culture that embraces change. Successfully navigating digital disruption is no longer optional—it is essential for businesses to survive, grow, and lead in the modern economy. Those who master this transformation will set new industry standards and drive the future of digital business. Future-Proofing Emerging Technologies for Business Transformation outlines all the challenges and opportunities of digital transformation in today’s complex world of emerging technological innovations. It is unique in its ability to connect theory with realistic implementation and provides best practices for leveraging emerging technologies into business models in an effective way. Covering topics such as blockchain, financial institutions, and society 5.0, this book is an excellent resource for researchers, corporate leaders and practitioners, policymakers, entrepreneurs, and more.

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