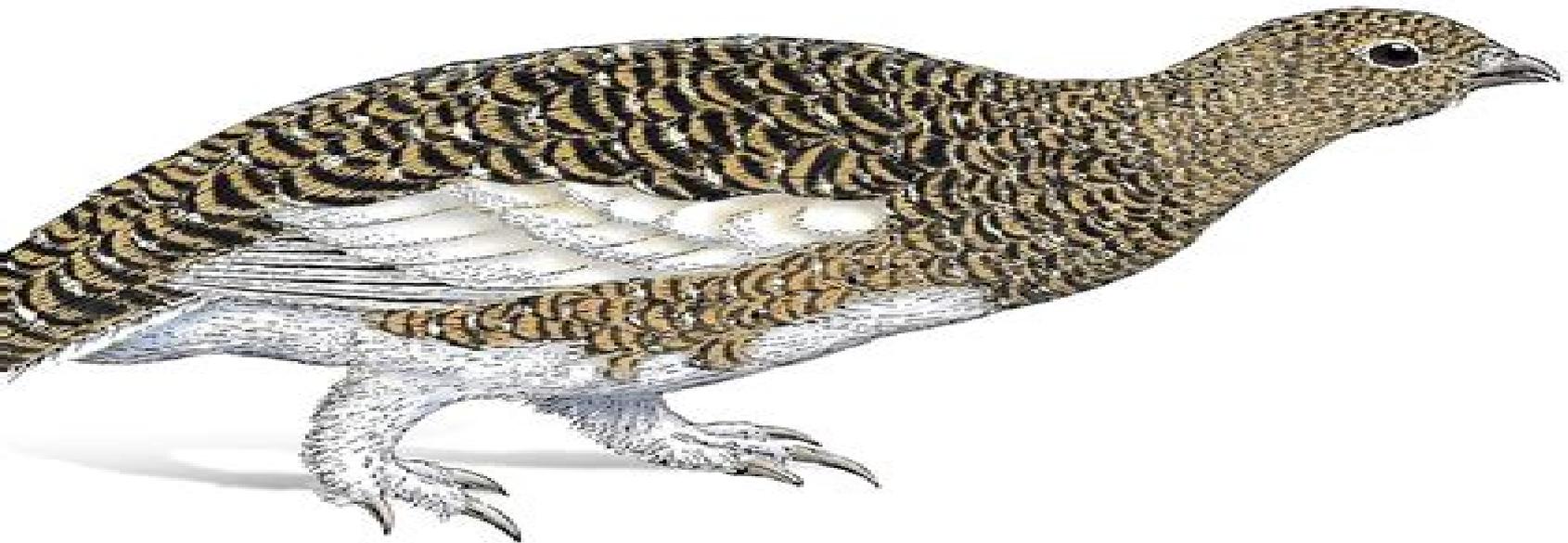


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Foundations of Data Science Dr. E. Manigandan, Dr. Sajja Suneel, Prof. Smitha G.V., Dr. S. Karthick,2025-12-03

Foundations of Data Science introduces the core concepts and tools used to extract knowledge from data It covers data collection cleaning and preprocessing techniques Statistical methods provide a basis for data analysis and interpretation Data visualization helps communicate insights effectively The subject introduces basic machine learning concepts and algorithms Programming tools and libraries are used for data manipulation Ethical issues such as data privacy and bias are discussed Real world applications demonstrate data driven decision making Overall it provides a strong base for advanced studies in data science and analytics

Data Science Job: How to become a Data Scientist Przemek

Chojacki,2020-01-31 We re living in a digital world Most of our global economy is digital and the sheer volume of data is stupendous It s 2020 and we re living in the future Data Scientist is one of the hottest job on the market right now Demand for data science is huge and will only grow and it seems like it will grow much faster than the actual number of data scientists So if you want to make a career change and become a data scientist now is the time This book will guide you through the process From my experience of working with multiple companies as a project manager a data science consultant or a CTO I was able to see the process of hiring data scientists and building data science teams I know what s important to land your first job as a data scientist what skills you should acquire what you should show during a job interview

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Advancing Data Science Education in K-12 Victor R. Lee,2025-02-24 Advancing Data Science Education in K 12 offers a highly accessible research based treatment of the foundations of data science education and its increasingly vital role in K 12 instructional content As federal education initiatives and developers of technology enriched curricula attempt to incorporate the study of data science the generation capture and computational analysis of data at large scale into schooling a new slate of skills literacies and approaches is needed to ensure an informed effective and unproblematic deployment for young learners Friendly to novices and experts alike this book provides an authoritative synthesis of the most important research and theory behind data science education its implementation into K 12 curricula and clarity into the distinctions between data literacy and data science Learning with and about data hold equal and interdependent importance across these chapters conveying the variety of issues situations and decision making integral to a well rounded critically minded perspective on data science education Students and faculty in teaching leadership curriculum development and educational technology programs will come away with essential insights into the breadth of our current and future engagements with data the real world opportunities and challenges data holds when taught in conjunction with other subject matter in formal schooling and the nature of data as a human and societal construct that demands new competencies of today s learners Scheduling Problems Rodrigo Righi,2020-07-08 Scheduling is defined as the process of assigning operations to resources over time to optimize a criterion Problems with scheduling comprise both a set of resources and a set of a consumers As such managing

scheduling problems involves managing the use of resources by several consumers This book presents some new applications and trends related to task and data scheduling In particular chapters focus on data science big data high performance computing and Cloud computing environments In addition this book presents novel algorithms and literature reviews that will guide current and new researchers who work with load balancing scheduling and allocation problems

Regional Knowledge Economies Eric Vaz,2024-12-21 This book investigates the multifaceted relationships between knowledge structures technology geography and regional science This includes a scholarly exploration of the role of geographical proximity in knowledge structures spatial spillovers the transformative potential of the metaverse in knowledge management and the historical and cultural influences on modern knowledge ecosystems It further scrutinizes the impact of technology on knowledge distribution the guiding role of institutions and organizations in knowledge societies and the value of cultural diversity for cross cultural knowledge exchange Addressing complex ethical privacy and accessibility challenges the book concludes by offering strategic insights for creating sustainable knowledge ecosystems making it an invaluable resource for researchers and professionals in the intersecting domains of technology geography regional science and beyond

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Data Science for Beginners Andrew Park,2021-03-17 Did you know that according to Harvard Business Review the Data Scientist is the sexiest job of the 21st century And for a reason If sexy means having rare qualities that are much in demand data scientists are already there They are expensive to hire and given the very competitive market for their services difficult to retain There simply aren t a lot of people with their combination of scientific background and computational and analytical skills Data Science is all about transforming data into business value using math and algorithms And needless to say Python is the must know programming language of the 21st century If you are interested in coding and Data Science then you must know Python to succeed in these industries Data Science for Beginners is the perfect place to start learning everything you need to succeed Contained within these six essential books are the methods concepts and important practical examples to help build your foundation for excelling at the discipline that is shaping the modern word This 6 in 1 bundle is perfect for programmers software engineers project managers and those who just want to keep up with technology Thanks to the first three books Python for Beginners Python for Intermediates and Python Advanced Guide

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are expensive to hire and given the very competitive market for their services difficult to retain There simply aren't a lot of people with their combination of scientific background and computational and analytical skills Data Science is all about transforming data into business value using math and algorithms And needless to say Python is the must know programming language of the 21st century If you are interested in coding and Data Science then you must know Python to succeed in these industries Data Science for Beginners is the perfect place to start learning everything you need to succeed Contained within these four essential books are the methods concepts and important practical examples to help build your foundation for excelling at the discipline that is shaping the modern world This bundle is perfect for programmers software engineers project managers and those who just want to keep up with technology With these books in your hands you will Learn Python from scratch including the basic operations how to install it data structures and functions and conditional loops Build upon the fundamentals with advanced techniques like Object Oriented Programming OOP Inheritance and Polymorphism Discover the importance of Data Science and how to use it in real world situations Learn the 5 steps of Data Analysis so you can comprehend and analyze data sitting right in front of you Increase your income by learning a new valuable skill that only a select handful of people take the time to learn Discover how companies can improve their business through practical examples and explanations And Much More This bundle is essential for anyone who wants to study Data Science and learn how the world is moving to an open source platform Whether you are a software engineer or a project manager jump to the next level by developing a data driven approach and learning how to define a data driven vision of your business Order Your Copy of the Bundle and Let Your Customers Start Their New Career Path Today

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