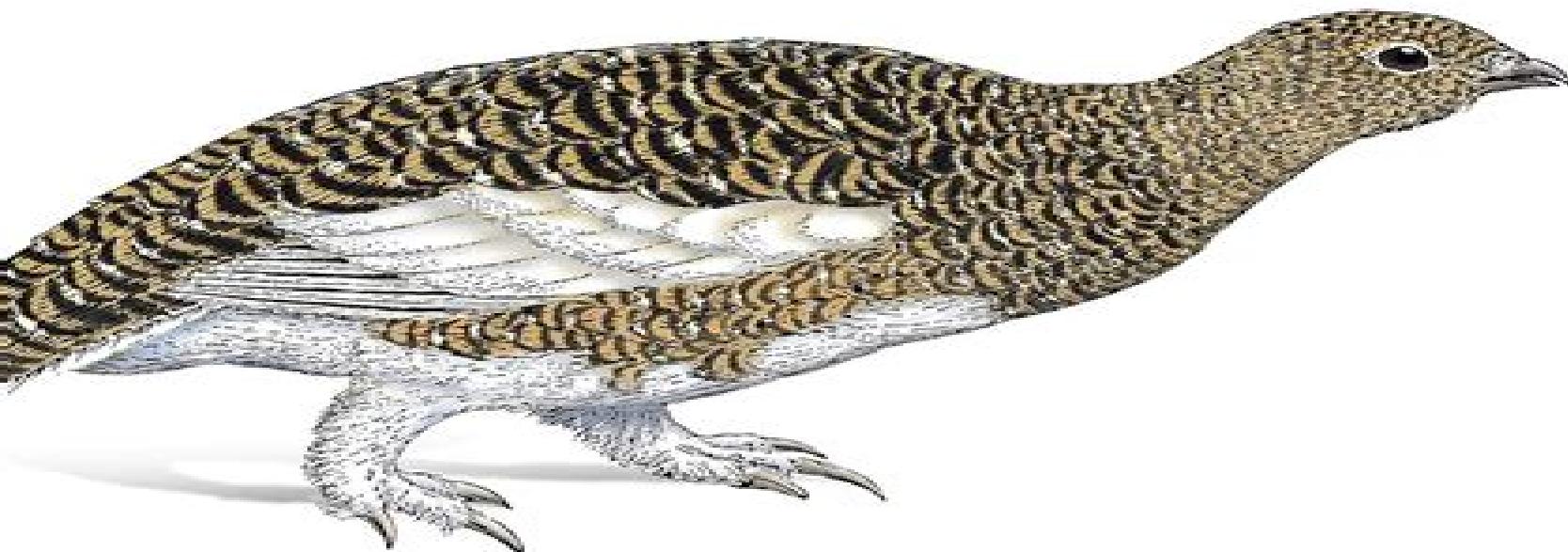


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Data Science with Semantic Technologies Archana Patel,Narayan C. Debnath,Bharat Bhushan,2022-10-26

DATA SCIENCE WITH SEMANTIC TECHNOLOGIES This book will serve as an important guide toward applications of data science with semantic technologies for the upcoming generation and thus becomes a unique resource for scholars researchers professionals and practitioners in this field To create intelligence in data science it becomes necessary to utilize semantic technologies which allow machine readable representation of data This intelligence uniquely identifies and connects data with common business terms and it also enables users to communicate with data Instead of structuring the data semantic technologies help users to understand the meaning of the data by using the concepts of semantics ontology OWL linked data and knowledge graphs These technologies help organizations to understand all the stored data adding the value in it and enabling insights that were not available before As data is the most important asset for any organization it is essential to apply semantic technologies in data science to fulfill the need of any organization Data Science with Semantic Technologies provides a roadmap for the deployment of semantic technologies in the field of data science Moreover it highlights how data science enables the user to create intelligence through these technologies by exploring the opportunities and eradicating the challenges in the current and future time frame In addition this book provides answers to various questions like Can semantic technologies be able to facilitate data science Which type of data science problems can be tackled by semantic technologies How can data scientists benefit from these technologies What is knowledge data science How does knowledge data science relate to other domains What is the role of semantic technologies in data science What is the current progress and future of data science with semantic technologies Which types of problems require the immediate attention of researchers Audience Researchers in the fields of data science semantic technologies artificial intelligence big data and other related domains as well as industry professionals software engineers scientists and project managers who are developing the software for data science Students across the globe will get the basic and advanced knowledge on the current state and potential future of data science

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