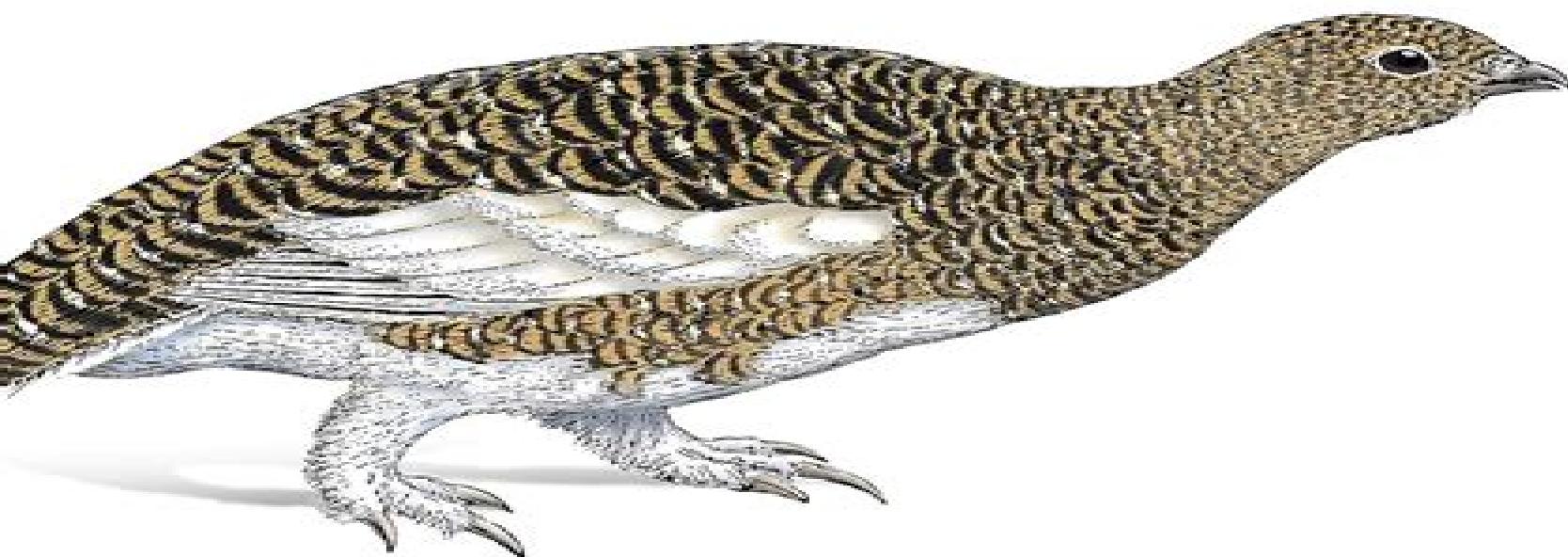


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Data Science with Semantic Technologies Archana Patel,Narayan C. Debnath,Bharat Bhushan,2022-10-26

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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**

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