

Principles And Practices Cognitive Data Science In Sustainable Computing

Cognitive data science is a rapidly growing field that combines the principles of cognitive science with the techniques of data science. This powerful combination has the potential to revolutionize the way we interact with data, making it possible to extract new insights and make better decisions.



Cognitive Computing for Human-Robot Interaction: Principles and Practices (Cognitive Data Science in Sustainable Computing) by William AE Ford

★★★★☆ 4.3 out of 5

Language : English
File size : 17799 KB
Text-to-Speech : Enabled
Screen Reader : Supported
Enhanced typesetting : Enabled
Print length : 740 pages



In this book, we will explore the principles and practices of cognitive data science. We will begin by introducing the basic concepts of cognitive science, such as memory, attention, and decision-making. We will then discuss the different types of data that are relevant to cognitive data science, including structured data, unstructured data, and streaming data.

We will also cover the different techniques that are used in cognitive data science, such as machine learning, artificial intelligence, and natural

language processing. Finally, we will discuss the applications of cognitive data science in sustainable computing, including energy efficiency, resource optimization, and pollution reduction.

This book is intended for readers who have a basic understanding of data science and who are interested in learning more about cognitive data science. It is also intended for readers who are interested in the applications of cognitive data science in sustainable computing.

Chapter 1: to Cognitive Data Science

In this chapter, we will introduce the basic concepts of cognitive data science. We will begin by discussing the different types of data that are relevant to cognitive data science, including structured data, unstructured data, and streaming data. We will then discuss the different techniques that are used in cognitive data science, such as machine learning, artificial intelligence, and natural language processing.

Chapter 2: Principles of Cognitive Science

In this chapter, we will introduce the basic principles of cognitive science. We will begin by discussing the different types of memory, such as short-term memory, long-term memory, and working memory. We will then discuss the different types of attention, such as focused attention, divided attention, and sustained attention. Finally, we will discuss the different types of decision-making, such as rational decision-making, intuitive decision-making, and emotional decision-making.

Chapter 3: Techniques of Cognitive Data Science

In this chapter, we will discuss the different techniques that are used in cognitive data science. We will begin by discussing the different types of

machine learning, such as supervised learning, unsupervised learning, and reinforcement learning. We will then discuss the different types of artificial intelligence, such as narrow AI, general AI, and super AI. Finally, we will discuss the different types of natural language processing, such as natural language understanding, natural language generation, and natural language translation.

Chapter 4: Applications of Cognitive Data Science in Sustainable Computing

In this chapter, we will discuss the applications of cognitive data science in sustainable computing. We will begin by discussing the use of cognitive data science to improve energy efficiency. We will then discuss the use of cognitive data science to optimize resources. Finally, we will discuss the use of cognitive data science to reduce pollution.

Cognitive data science is a powerful new field that has the potential to revolutionize the way we interact with data. This book has provided a comprehensive overview of the principles and practices of cognitive data science. We have discussed the different types of data that are relevant to cognitive data science, the different techniques that are used in cognitive data science, and the applications of cognitive data science in sustainable computing.

We hope that this book has helped you to gain a better understanding of cognitive data science. We encourage you to continue to learn more about this exciting new field.

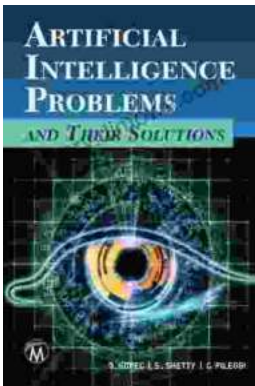
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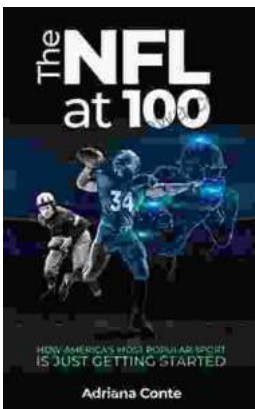
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