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*methods applicable to NLP and speech, provides state-of-the-art approaches, and offers real-world case studies with code to provide hands-on experience. Many books focus on deep learning theory or deep learning for NLP-specific tasks while others are cookbooks for tools and libraries, but the constant flux of new*

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*algorithms, tools, frameworks, and libraries in a rapidly evolving landscape means that there are few available texts that offer the material in this book. The book is organized into three parts, aligning to different groups of readers and their expertise. The three parts are: Machine Learning, NLP, and Speech*

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linguistically  
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approaches to big data  
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that emphasizes meaning--the deep, context-sensitive meaning that a person derives from spoken or written language.

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learning. The first  
section establishes a  
foundation in machine  
learning by building a set  
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applying them to word-

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introduces structured  
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