

# Multiview Machine Learning

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# Preface

During the past two decades, multiview learning as an emerging direction in machine learning became a prevailing research topic in artificial intelligence (AI). Its success and popularity were largely motivated by the fact that real-world applications generate various data as different views while people try to manipulate and integrate those data for performance improvements. In the data era, this situation will continue. We think the multiview learning research will be active for a long time, and further development and in-depth studies are needed to make it more effective and practical.

In 2013, a review paper of mine, entitled “A Survey of Multi-view Machine Learning” (*Neural Computing and Applications*, 2013), was published. It generates a good dissemination and promotion of multiview learning and has been well cited. Since then, much more research has been developed. This book aims to provide an in-depth and comprehensive introduction to multiview learning and hope to be helpful for AI researchers and practitioners.

I have been working in the machine learning area for more than 15 years. Most of my work introduced in this book was completed after I graduated from Tsinghua University and joined East China Normal University in 2007. And we also include many important and representative works from other researchers to make the book content complete and comprehensive. Due to space and time limits, we may not be able to include all relevant works.

I owe many thanks to the past and current members of my Pattern Recognition and Machine Learning Research Group, East China Normal University, for their hard work to make research done in time. The relationship between me and them is not just professors and students, but also comrades-in-arms.

Shanghai, China  
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Shiliang Sun

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