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| Autore | Chen Chen |
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| Descrizione fisica | 1 online resource (128 p.) |
| Collana | SpringerBriefs in Signal Processing, , 2196-4076 |
| Disciplina | 620 |
| Soggetti | Signal processing<br>Image processing<br>Speech processing systems<br>Optical data processing<br>Mathematics<br>Visualization<br>Signal, Image and Speech Processing<br>Image Processing and Computer Vision |
| Lingua di pubblicazione | Inglese |
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| Livello bibliografico | Monografia |
| Note generali | Description based upon print version of record. |
| Nota di bibliografia | Includes bibliographical references. |
| Nota di contenuto | Introduction -- Scene Understanding Datasets -- Indoor/Outdoor classication with Multiple Experts -- Outdoor Scene Classication Using Labeled Segments -- Global-Attributes Assisted Outdoor Scene Geometric Labeling -- Conclusion and Future Work. |
| Sommario/riassunto | This book offers an overview of traditional big visual data analysis approaches and provides state-of-the-art solutions for several scene comprehension problems, indoor/outdoor classification, outdoor scene classification, and outdoor scene layout estimation. It is illustrated with numerous natural and synthetic color images, and extensive statistical analysis is provided to help readers visualize big visual data distribution and the associated problems. Although there has been some research on big visual data analysis, little work has been published on big image data distribution analysis using the modern statistical approach described in this book. By presenting a complete methodology on big visual data analysis with three illustrative scene comprehension problems, it provides a generic framework that can be |

applied to other big visual data analysis tasks.