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| Altri autori (Persone)  | HansonStephen Jose<br>BunzlMartin   |
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| Nota di contenuto       | Contents; Acknowledgments; Introduction; I Location and Representation; 1 A Critique of Functional Localizers; 2 Divide and Conquer: A Defense of Functional Localizers; 3 Commentary on Divide and Conquer: A Defense of Functional Localizers; 4 An Exchange about Localism; 5 Multivariate Pattern Analysis of fMRI Data: High-Dimensional Spaces for Neural and Cognitive Representations; II Inference and New Data Structures; 6 Begging the Question: The Nonindependence Error in fMRI Data Analysis; 7 On the Proper Role of Nonindependent ROI Analysis: A Commentary on Vul and Kanwisher 8 On the Advantages of Not Having to Rely on Multiple Comparison Corrections9 Confirmation, Refutation, and the Evidence of fMRI; 10 Words and Pictures in Reports of fMRI Research; 11 Discovering How Brains Do Things; III Design and the Signal; 12 Resting-State Brain Connectivity; 13 Subtraction and Beyond: The Logic of Experimental Designs for Neuroimaging; 14 Advancements in fMRI Methods: What |

Can They Inform about the Functional Organization of the Human Ventral Stream?; 15 Intersubject Variability in fMRI Data: Causes, Consequences, and Related Analysis Strategies  
IV The Underdetermination of Theory by Data16 Neuroimaging and Inferential Distance: The Perils of Pictures; 17 Brains and Minds: On the Usefulness of Localization Data to Cognitive Psychology; 18 Neuroimaging as a Tool for Functionally Decomposing Cognitive Processes; 19 What Is Functional Neuroimaging For?; References; Contributors; Index; Color Insert

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Sommario/riassunto

The field of neuroimaging has reached a watershed and critiques and emerging trends are raising foundational issues of methodology, measurement, and theory. Here, scholars reexamine these issues and explore controversies that have arisen in cognitive science, cognitive neuroscience, computer science, and signal processing.

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