

Machine learning and interpretation in neuroimaging : international workshop, MLINI 2011, held at NIPS 2011, Sierra Nevada, Spain, December 16-17, 2011 : revised selected and invited contributions

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Abstrak

This state-of-the-art survey offers a collection of papers from the workshop on Machine Learning and Interpretation in Neuroimaging, MLINI 2011, held at the 25th Annual Conference on Neural Information Processing, NIPS 2011, in the Sierra Nevada, Spain, in December 2011. Additionally, invited speakers agreed to contribute reviews on various aspects of the field, adding breadth and perspective to the volume. The 32 revised papers were carefully selected from 48 submissions. At the interface between machine learning and neuroimaging the papers aim at shedding some light on the state of the art in this interdisciplinary field. They are organized in topical sections on coding and decoding, neuroscience, dynamics, connectivity, and probabilistic models and machine learning.