

Partially supervised learning : first IAPR TC3 Workshop, PSL 2011, Ulm, Germany, September 15-16, 2011 : revised selected papers

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Abstrak

This book constitutes thoroughly refereed revised selected papers from the First IAPR TC3 Workshop on Partially Supervised Learning, PSL 2011, held in Ulm, Germany, in September 2011. The 14 papers presented in this volume were carefully reviewed and selected for inclusion in the book, which also includes 3 invited talks. PSL 2011 dealt with methodological issues as well as real-world applications of PSL. The main methodological issues were, combination of supervised and unsupervised learning, diffusion learning, semi-supervised classification, regression, and clustering, learning with deep architectures, active learning, PSL with vague, fuzzy, or uncertain teaching signals, learning, or statistical pattern recognition, and PSL in cognitive systems. Applications of PSL included, image and signal processing, multi-modal information processing, sensor/information fusion, human computer interaction, data mining and Web mining, forensic anthropology, and bioinformatics.