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Nota di contenuto	Intro -- Preface -- Conference Organization -- Contents - Part I -- Contents - Part II -- Machine and Deep Learning -- Identifying Optimal Clusters in Purchase Transaction Data -- 1 Introduction -- 2 Clustering Taxonomies -- 3 Cluster Validity Indices -- 4 Data Complexity Measures -- 5 Data Sets and Experimental Methodology -- 6 Results and Discussions -- 7 Conclusions -- A Appendix -- References -- Artificial Organic Networks Approach Applied to the Index Tracking Problem -- 1 Introduction -- 1.1 Objectives and Limitations -- 2 The Proposed Approach -- 2.1 AON Properties -- 2.2 Artificial Hydrocarbon Networks Algorithm -- 3 Implementation Considerations -- 3.1 System Identification -- 3.2 Target Function Mathematical Formulation -- 3.3 Financial Analysis and Strategy -- 4 Preliminary Results -- 4.1 Experiment 1: Establishing a Regression -- 4.2 Experiment 2: Comparing MNLR Performance Vs. Other ML Techniques. -- 4.3 Experiment Three: Buy-and-Hold Strategy -- 4.4 Experiment 4: A Hybrid K-Means with AHN Algorithm -- 5 Conclusions and Future Work -- References -- Supervised Learning Approach for Section Title Detection in PDF Scientific Articles -- 1 Introduction -- 2 Related Works

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