

Preface: Machine Learning Workshop

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Abstract

This document is the preface of the Machine Learning Workshop of the 8th International Conference on Computational Linguistics and Intelligent Systems (CoLInS 2024), April 12–13, 2024, held in Lviv, Ukraine.

Keywords

Machine Learning, Deep Learning, Data mining, Computational Linguistics, Artificial neural networks

1. Preface

The main purpose of the Machine Learning Workshop is the recent research results discussion in all areas of Machine Learning Technology for Natural Language Processing and Intelligent Systems Development [1-6]. The conference is soliciting literature review, survey and research paper comments including, whilst not limited to, the following areas of interest:

- Supervised learning;
- Unsupervised learning;
- Semi-supervised learning;
- Reinforcement learning;
- Decision trees;
- Classification;
- Regression;
- Artificial neural networks;
- Associative rules;
- Deep learning;
- Pattern recognition;
- Cluster analysis;
- Data mining.

The language of the Machine Learning Workshop is English.

The Machine Learning Workshop took the form of an oral presentation by peer-reviewed individual papers. The papers were distributed among 93 external reviewers from France, Germany, The Netherlands, the United States, the United Kingdom, India, Moldova, Czech Republic, Poland, Bulgaria, Portugal, Serbia, Slovenia, Finland and Ukraine. To make more correct decisions regarding the acceptance or rejection the papers got 3-7 reviews.

The Machine Learning Workshop gathered participants from different countries including Germany, Poland, Ukraine, Kyrgyzstan, Egypt, Czech Republic, Switzerland, India, and France.

This year Organizing Committee received 45 submissions, out of which 24 were accepted for presentation as regular papers. These papers and extended abstracts were published in Volume I

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