2nd Brazilian Workshop on Artificial Intelligence in Finance

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Preface

Artificial Intelligence (AI) advancements, particularly Machine Learning (ML), are being noticed throughout society and our economy, with some of the most significant impacts occurring in Finance.

Artificial Intelligence (AI) is significantly impacting the field of Finance in multiple ways. It enables more effective fraud detection, improves risk assessment through data analysis, automates algorithmic trading strategies, enhances customer service with AI-powered chatbots, optimizes investment management through data-driven decision-making, streamlines credit scoring and underwriting processes, automates regulatory compliance, provides market analysis and prediction capabilities. These advancements in AI technology bring automation, efficiency, and data-driven insights to various aspects of the financial industry, revolutionizing how financial institutions operate and make decisions.

The Second Brazilian Workshop on Artificial Intelligence in Finance (BWAIF) took place as a Satellite event of the XLIII Conference of the Brazilian Computer Society, whose theme in 2023 is "Opportunities and challenges of integrating the physical and digital worlds". This theme has an excellent relationship with the development of a society that uses digital resources for financial transactions, where large institutions have focused part of their resources on the development of "figital" platforms, which implies the convergence of actions in the physical, digital, and social aspects of organizations.

BWAIF is a forum for researchers, professionals, educators, and students to present and discuss innovations, trends, experiences, and evolution in AI and its applications in Finance.

In 2022 the BWAIF received 18 submissions. All papers were rigorously peerreviewed by a Program Committee (with an average of three reviews per submission), followed by a discussion phase for conflicting reports. At the end of the review process, 13 papers were selected for publication at SBC Open Library, with an acceptance rate of 72%.

We are very grateful to the Program Committee members and reviewers for their volunteered contribution to the reviewing process. We would also like to express our gratitude to all the authors who submitted their papers.

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