ALGO: A New Model on Predicting A

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Abstract

The First International Conference on Machine Learning and Knowledge Discovery (MLKD 2024) will be held on October 23-24, 2024 at the Department of Mathematics and Computer Science of the Amirkabir University of Technology, Tehran, Iran.

MLKD 2024 is a premier forum for researchers and practitioners to present and discuss the latest advances in machine learning, knowledge discovery, and their diverse applications across various domains. The conference aims to bring together a vibrant community of researchers, developers, and industry leaders to share knowledge, foster collaboration, and explore the future directions of these rapidly evolving fields. For more details, see Call for Papers.

Submissions should not exceed 15 pages, must be submitted electronically, and must be prepared using La-TeX, this template.

Authors who feel that additional details are necessary should include a clearly marked appendix; see Appendix A, which will be read at the discretion of the Program Committee. Authors who feel that additional details are necessary should include a clearly marked appendix, which will be read at the discretion of the Program Committee.

Keywords: Keyword 1, Keyword 2, and Keyword 3

1 Introduction

We invite you to submit your original and unpublished research to the First International Conference on Machine Learning and Knowledge Discovery (MLKD 2024)! MLKD 2024 is a premier forum for researchers and practitioners to present and discuss the latest advances in machine learning, knowledge discovery, and their diverse applications across various domains. The conference aims to bring together a vibrant community of researchers, developers, and industry leaders to share knowledge, foster collaboration, and explore the future directions of these rapidly evolving fields.

Topics to be covered are all aspects of Machine Learning and Knowledge Discovery, (but are not limited to) including [**?**]:

- Supervised Learning
- Unsupervised Learning
- Reinforcement Learning
- Graph Neural Networks
- Deep Learning
- Natural Language Processing
- Computer Vision
- Speech Recognition
- Robotics
- Big Data Analytics and Algorithms
- Knowledge Representation
- Data Mining
- Information Retrieval
- Social Computing
- Explainable AI (XAI)
- Ethical Considerations in Machine Learning
- Applications (Healthcare, Finance, Retail, Manufacturing, Media and Entertainment, Transportation, Neuroscience, Bioinformatics, Geoinformatics, Agriculture, Environment).

Note that:

Conjecture 1 *This year, all submissions will be created using this template.*

Observation 1 *The statement in Conjecture **??** did not hold true last year.*

Invariant 1 *Her is an invariant that you can use next.*

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2   Important Dates

Important Dates of our event are:

- Opening submissions: August 1, 2024

- Submission deadline: August 23, 2024

- Acceptance notification: September 23, 2024

- Conference: October 23-24, 2024

3   Submission Link

The submission must be submitted through Microsoft's Conference Management Toolkit; here is the link: https://cmt3.research.microsoft.com/MLKD2024

4   Organizing Committee

Here is the list of organizing committee:

- Mostafa Abbaszadeh, Amirkabir University of Technology

- Mohammad Akbari, Amirkabir University of Technology

- Dariush Kiani, Amirkabir University of Technology

- Behzad Najafi, Amirkabir University of Technology

- Zahed Rahmati (Chair), Amirkabir University of Technology

- Sara Saeedi Madani, Amirkabir University of Technology

- Fatemeh Shakeri, Amirkabir University of Technology

- Mostafa Shamsi, Amirkabir University of Technology, Iran

5   Sponsors

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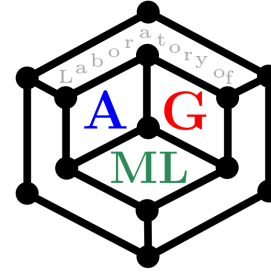

Figure 1: Amirkabir University of Technology

Figure 2: Laboratory of Algorithms, Graphs, and Machine Learning

Figure 3: AUT Journal of Mathematics and Computing

6   Preliminary results

Proposition 1 *Here is a proposition.*

Lemma 2 *Here is a lemma.*

The proof is omitted due to lack of space. It can be found in the appendix, and in our publicly available tech report.

Theorem 3 *Here is a theorem.*

Proof. This relies on Lemma **??**.   □

6.1   Algorithm

1. Do Alg 1.

2. Go to step 1.

7   Remarks

Please avoid changing anything in this template that will cause the fonts and margins to look different.

8   Discussion

Here, you can add a discussion, and pose open problems.

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References

[1] A. Yari and A. Kazemi A new result. *Journal of Geometry*, 59(2):58–75, 2010.

Appendix A

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