
Multi-Armed Bandits for Optimizing New Peers in Peer-to-Peer Networks

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Abstract

Write this last (fewer than 300 words). The completed document should be 5-9 pages.

References

Vermorel, J. and Mohri, M. *Multi-armed Bandit Algorithms and Empirical Evaluation*, pp. 437–448. Machine Learning: ECML 2005. Springer Berlin Heidelberg, Berlin, Heidelberg, 1ère éd edition, 2005. ISBN 0302-9743.

1. Introduction

Introduction here. Problem, why it is important/interesting, and the plan for the approach.

2. Related Work

Example of related work section. Discuss relevant literature. (Vermorel & Mohri, 2005)

3. Problem Formulation

Explain the technical bits.

4. Approach

Algorithms we will use and develop (e.g. eps-greedy, UCB, and more). Implementation details, pseudocode here.

5. Results

Use of implementation to produce results. Graphs here.

6. Discussion

Discussion on results. Pros and cons of suggested solution compared with existing solutions.

7. Conclusion and Future Research

What we learned. Future work, takeaways.

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