Bandit networks

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Goal of the project

Study the reinforcement learning framework of 2 articles :

- Hanjun Dai et al. “Learning Combinatorial Optimization Algorithms over Graphs”. In: *CoRR* abs/1704.01665 (2017). arXiv: 1704.01665. URL: http://arxiv.org/abs/1704.01665
- Irwan Bello et al. “Neural Combinatorial Optimization with Reinforcement Learning”. In: *CoRR* abs/1611.09940 (2016). arXiv: 1611.09940. URL: http://arxiv.org/abs/1611.09940

Multi-agent stochastic multi-armed bandit (MAB) problem

Conclusion

- The reinforcement learning methods presented here are not problem-specific

Thank you

Any Questions ?

References

Irwan Bello et al. “Neural Combinatorial Optimization with Reinforcement Learning”. In: *CoRR* abs/1611.09940 (2016). arXiv: 1611.09940. URL: http://arxiv.org/abs/1611.09940.

Hanjun Dai et al. “Learning Combinatorial Optimization Algorithms over Graphs”. In: *CoRR* abs/1704.01665 (2017). arXiv: 1704.01665. URL: http://arxiv.org/abs/1704.01665.

Additional slide : Pointer Networks