

Team OpenWebSearch at QuantumCLEF: Feature Selection for Bootstrapped Feature Importance.

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Abstract

Quantum annealers can better explore complex optimization landscapes than . the problem formulation that we build is, due to the bootstrapping, highly inconsistent/contradictory. Hence, we explore quantum annealers, comparing them with simulated annealing, finding that xy.

Keywords

LaTeX class, paper template, paper formatting, CEUR-WS

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2. Related Work

Bootstrapping for feature selection was already used before [1], but not in IR/LTR.

Hello world example [1]: Add forgery features that are not relevant to the pool. Try to reduce them. I cann add those features in any distribution, normal distribution, etc. E.g., I should be able to fool every feature selection that does not incorporate the true relevance label.

3. Selecting Important Features with QUBO

QUBO = quadratic unconstrained binary optimization minimizes [?]:

$$\vec{x}^T \cdot Q \cdot \vec{x}$$

4. Conclusion

TBD...

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References

- [1] J. Yuan, Bootstrapping nonparametric feature selection algorithms for mining small data sets, in: International Joint Conference Neural Networks, IJCNN 1999, Washington, DC, USA, July 10-16, 1999, IEEE, 1999, pp. 2526–2529. URL: <https://doi.org/10.1109/IJCNN.1999.833470>. doi:10.1109/IJCNN.1999.833470.

A. Online Resources

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- GitHub,
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