Exploring the Impact of Decision Tree Depth

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ABSTRACT

A clear and well-documented LaTeX document is presented as an article formatted for publication by ACM in a conference proceedings or journal publication. Based on the "acmart" document class, this article presents and explains many of the common variations, as well as many of the formatting elements an author may use in the preparation of the documentation of their work.

CCS CONCEPTS

• **Computing methodologies** → **Machine learning**; *Supervised learning by classification*; *Classification and regression trees*; Cross-validation.

KEYWORDS

decision trees, model selection

1 BACKGROUND AND MOTIVATION

While model selection by tree size is supported by Russell and Norvig [1], constraining models by maximum depth has been unexplored.

2 METHODS

3 RESULTS

4 DISCUSSION

ACKNOWLEDGMENTS

REFERENCES

[1] Stuart J. Russell and Peter Norvig. 2010. *Artificial intelligence: a modern approach* (3rd ed.). Prentice Hall.

A RESEARCH METHODS

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B ONLINE RESOURCES

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