## Accepted Manuscript

Approximating decision trees with value dependent testing costs

Aline Saettler, Eduardo Laber, Ferdinando Cicalese

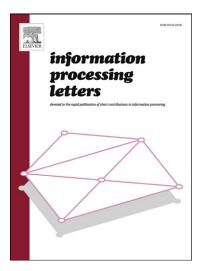
PII: S0020-0190(15)00023-X

DOI: http://dx.doi.org/10.1016/j.ipl.2015.02.006

Reference: IPL 5240

To appear in: Information Processing Letters

Received date: 17 October 2014 Revised date: 6 February 2015 Accepted date: 7 February 2015



Please cite this article in press as: A. Saettler et al., Approximating decision trees with value dependent testing costs, *Inf. Process. Lett.* (2015), http://dx.doi.org/10.1016/j.ipl.2015.02.006

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

## Highlights

- The cost of a test in a decision tree can depend on its result (value).
- We provide an O(log(n)) approximation for binary tests and value dependent costs.
- $\bullet$  We provide an n approximation for multiway tests and value dependent costs.

## Download English Version:

## https://daneshyari.com/en/article/6874260

Download Persian Version:

https://daneshyari.com/article/6874260

<u>Daneshyari.com</u>