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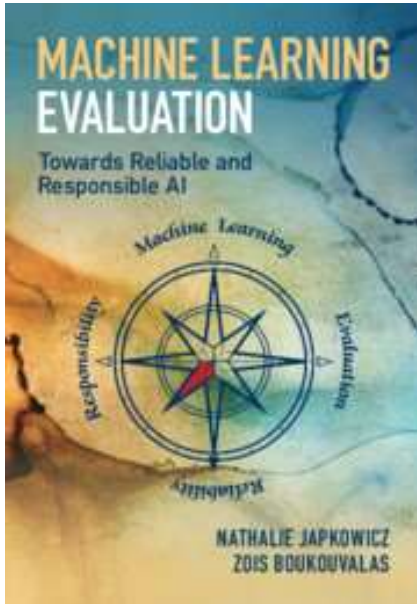
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Machine Learning Evaluation
Towards Reliable and Responsible AI

Nathalie Japkowicz, *American University, Washington DC*
Zois Boukouvalas, *American University, Washington DC*

This accessible, comprehensive guide is aimed at students, practitioners, engineers, and users. The emphasis is on building robust, responsible machine learning products incorporating meaningful metrics, rigorous statistical analysis, fair training sets, and explainability. Implementations in Python and sklearn will be available on the book's website.

"By its nature, machine learning has always had evaluation at its heart. As the authors of this timely and important book note, the importance of doing evaluation properly is only increasing as we enter the age of machine learning deployment. The book showcases Japkowicz' and Boukouvalas' encyclopaedic knowledge of the subject as well as their accessible and lucid writing style. Quite simply required reading for machine learning researchers and professionals." *Peter Flach, University of Bristol*

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