

Preface

The purpose of this workshop is to continue the lively and interesting debate started last year at the AAAI 2006 workshop on Evaluation Methods for Machine learning. The previous workshop successfully established that current means of evaluating learning algorithms have serious drawbacks, and that there are several important properties of learning algorithms that should be measured, thus, requiring more than a single evaluation metric. Last year's workshop also established that learning algorithms must be tested under many different conditions, and that the UCI data sets do not reflect the variety of domains to which algorithms are applied in practice.

This year's workshop will address, in a more specific fashion, some of the topics that were raised at last year's workshop and some new ones. In particular, this workshop will discuss issues related to the efficiency of several evaluation metrics, the methodology of applying statistical principles in testing classifier performance, and the use (and/or overuse) of the UCI data sets, synthetic or semi-synthetic data.

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