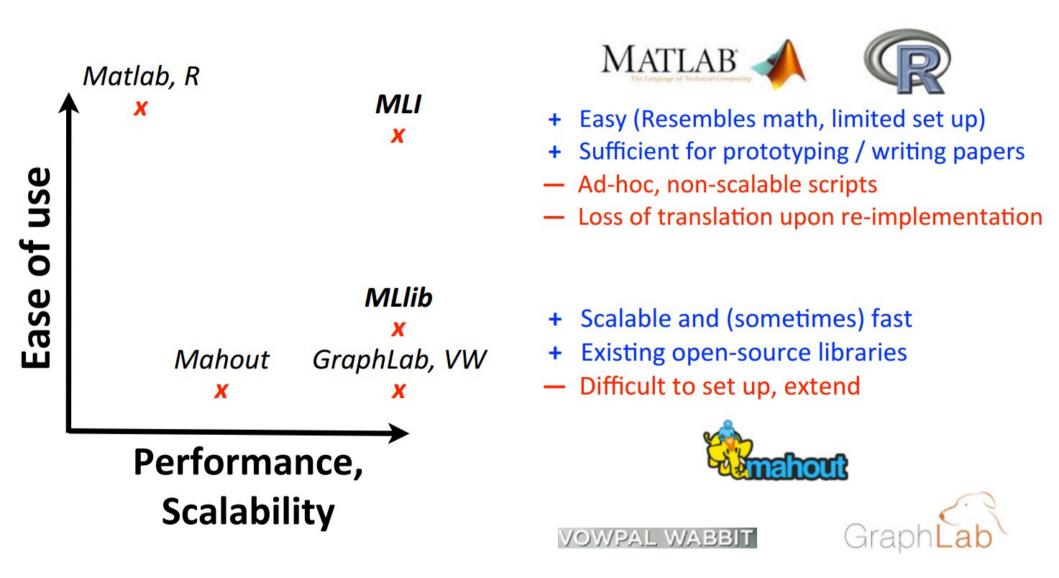
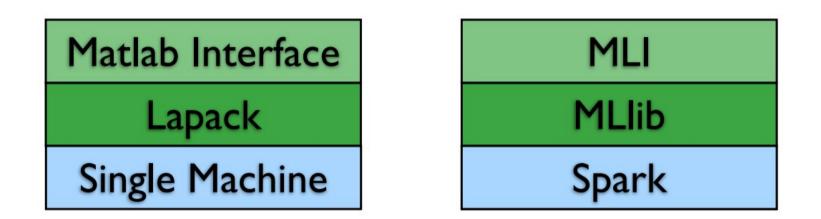


Mlbase: distributed machine learning system Adapted slides from mlbase.org

Lay of the Land



MLbase Stack



Spark: cluster computing system designed for iterative computation

MLlib: low-level ML library in Spark

MLI: API / platform for feature extraction and algorithm development

Platform independent

MLI Ease of Use

Logistic Regression

System	Lines of Code
Matlab	11
Vowpal Wabbit	721
MLI	55

Alternating Least Squares

System	Lines of Code
Matlab	20
Mahout	865
GraphLab	383
MLI	32

Typical Data Analysis Workflow

