Kinds of Ensembles

Tested on ... dataset

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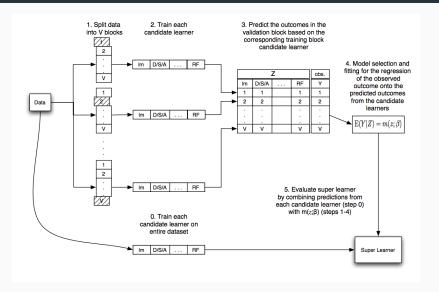
MSc in AI, University of Florence

. . . dataset

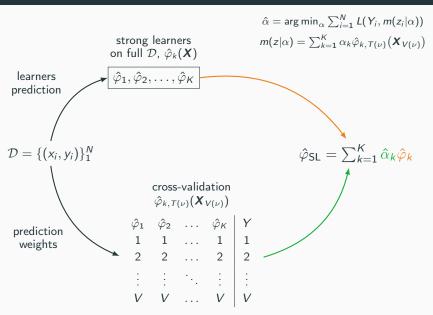
Binary classification task Class distribution: 0:0.49 – 1:0.51 Approaches

- Decision tree
- Random forest.
- AdaBoost
- Ridge logistic regression
- Super learner

What's a Super Learner?



The Super Learner flow diagram



Scores

| Model | Train score | Test score |
|---------------|-------------|------------|
| CART | 0.0000 | 0.0000 |
| Random forest | 0.0000 | 0.0000 |
| AdaBoost | 0.0000 | 0.0000 |
| Super learner | 0.0000 | 0.0000 |

References i



E. C. Polley, and M. J. van der Laan Super Learner in Prediction

U.C. Berkeley Division of Biostatistics Working Paper Series. Working Paper 266, 2010