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- Parametric setup is not adapted for all situations : Tree method and other non-parametric are more oriented on rules in order to separate regions of the sample space ;
- These methods works for both Regression and Classification ;
- Example : Regression tree for Baseball player's salary.

Figure Ri regions

How to select among the p variables / predictors ?

1

2

3

Tree methods
Ensembling with trees : Boosting and Randomization

Bagging : Gradient Boosting algo.
Randomisation : Random Forest algo
Summary

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- 3V definition :

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3 columns table
image Yann Le Cun ML cake