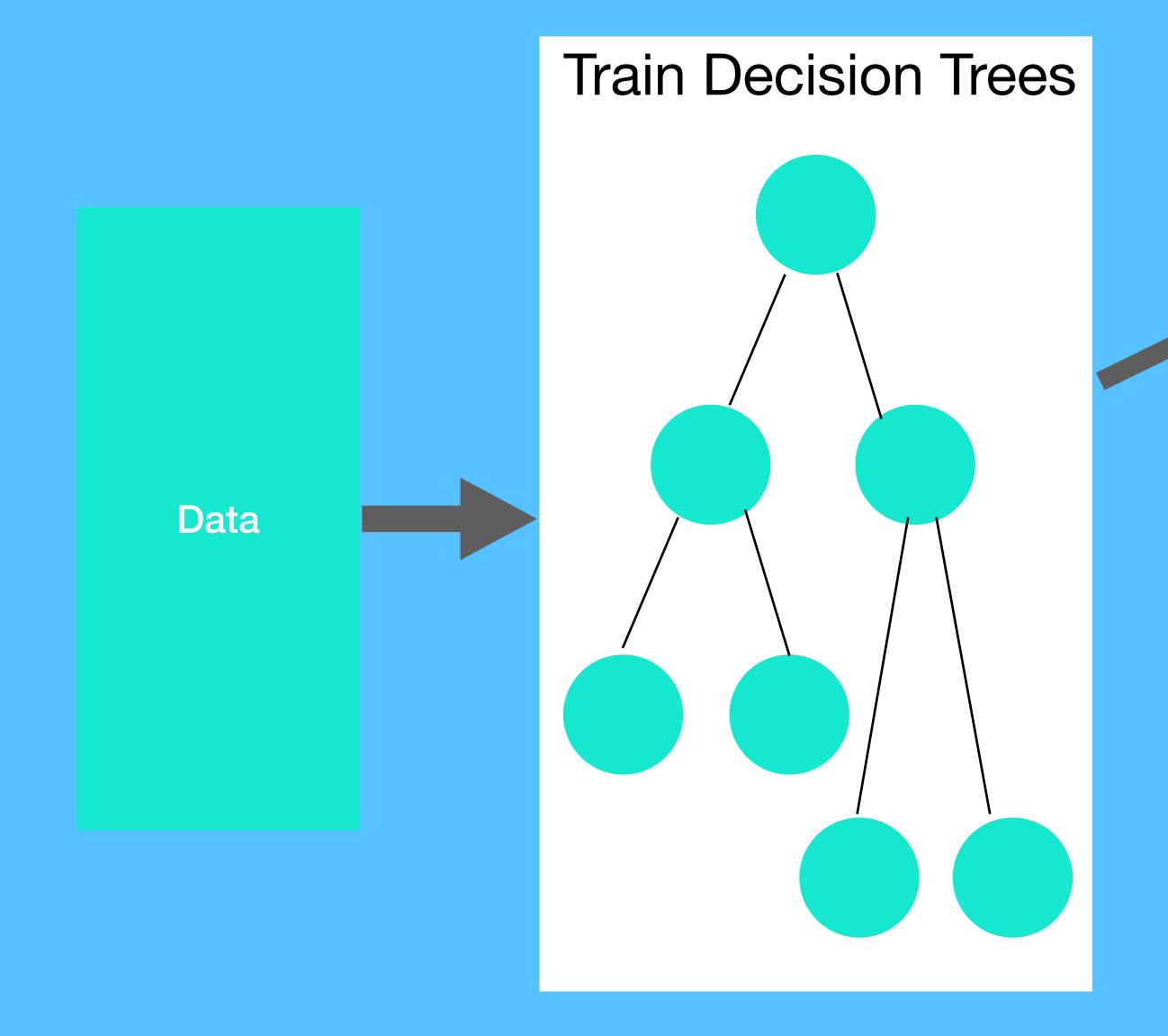
## Rulefit

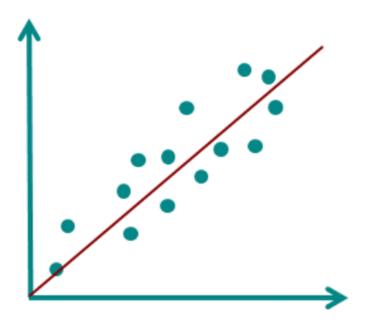


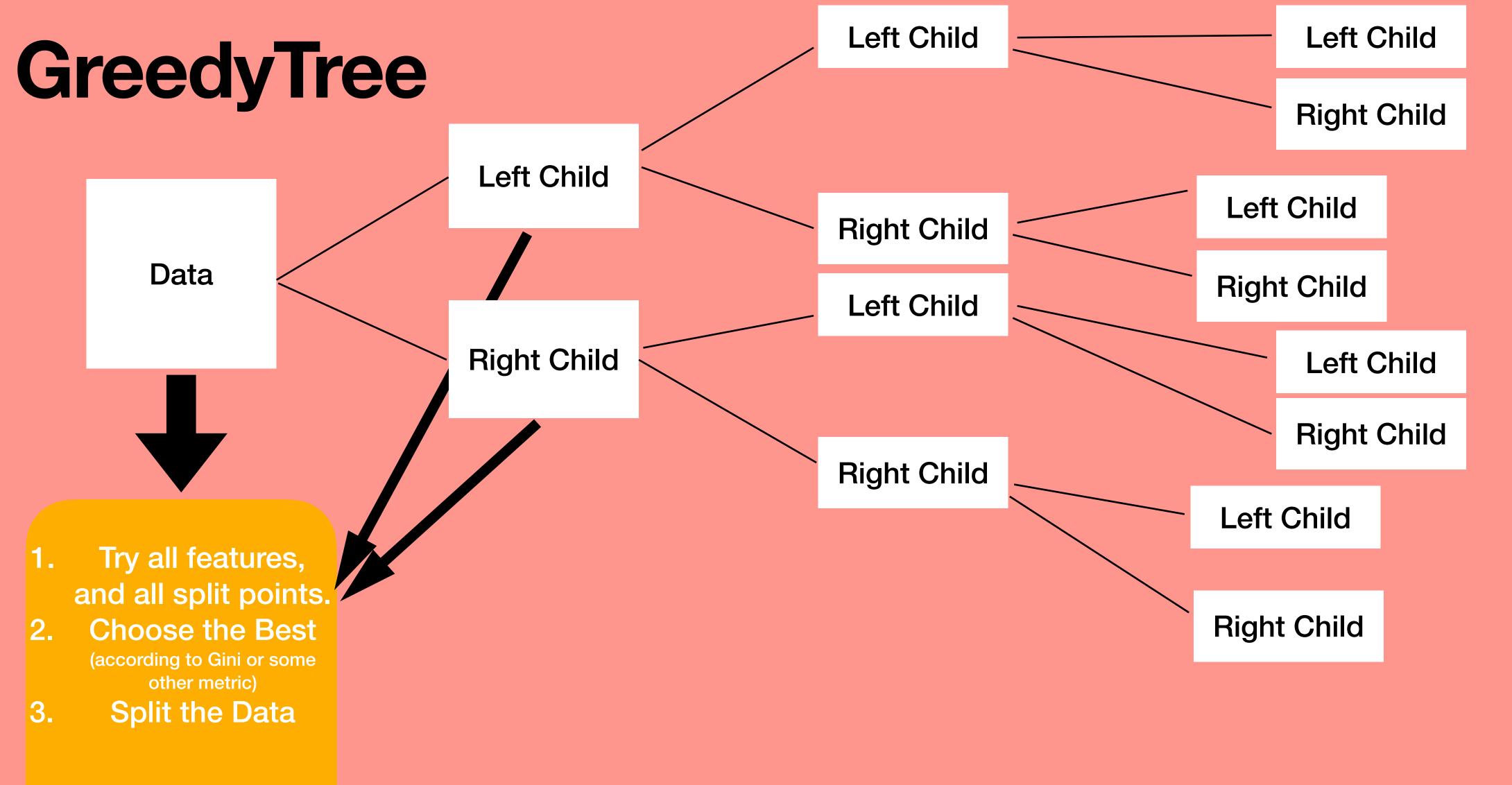
Extract Rules as binary conditions

If x<12: 1, 0

If y>0.77: 1, 0

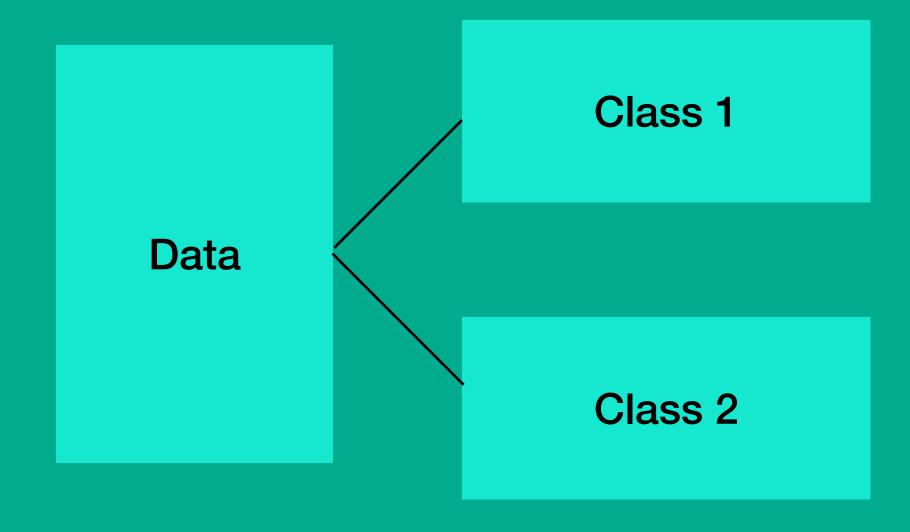
Fit Rules (and original features) to linear model





The Algorithm is run recursively on all Children. We stop when we either hit max depth parameter. Or we no longer improve the model by splitting.

## BoostedRules



Create a single split rule that splits the data best. One feature, one threshold. Known as 'Decision Stump'

