

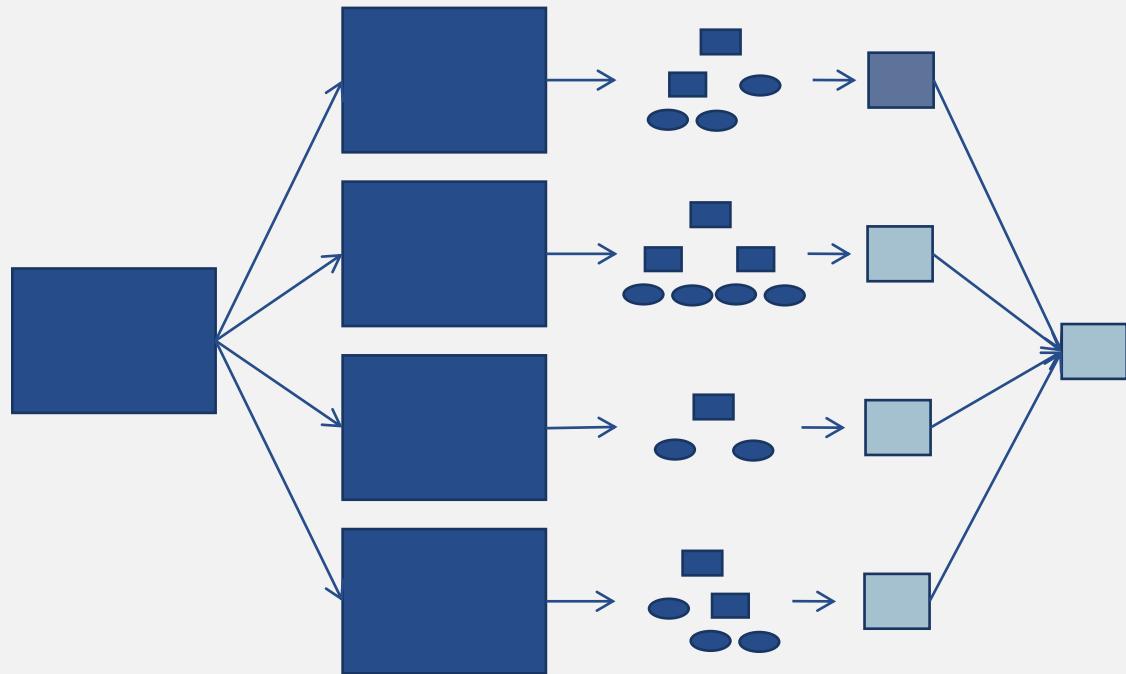


escola
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& tecnologia

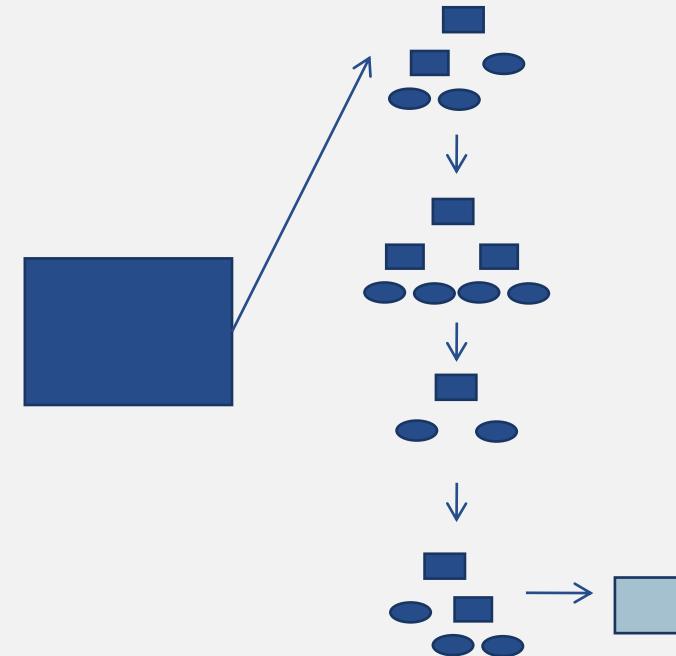
**Profissão Cientista de Dados
Bagging**

Técnicas de ensemble

Bagging



Boosting



Técnicas de ensemble

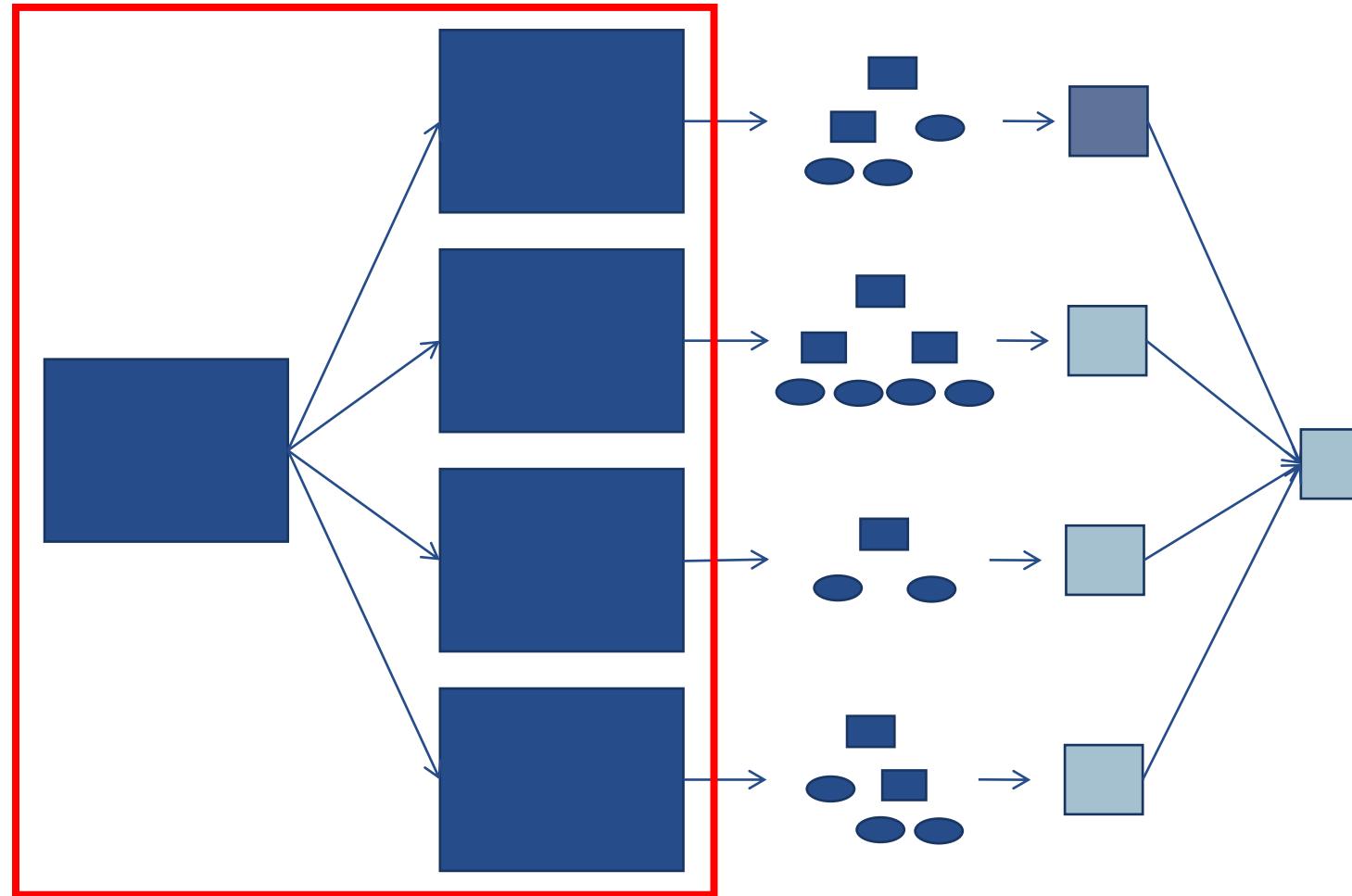
Bagging

Random Forest

Boosting

AdaBoost (Adaptative Boosting)
Gradient Boosting
XGB (eXtreme Gradient Boosting)

Bagging - Bootstrap Aggregating



Amostragem com reposição

Gerando amostras de 4 linhas com reposição

Dataset com
4 linhas

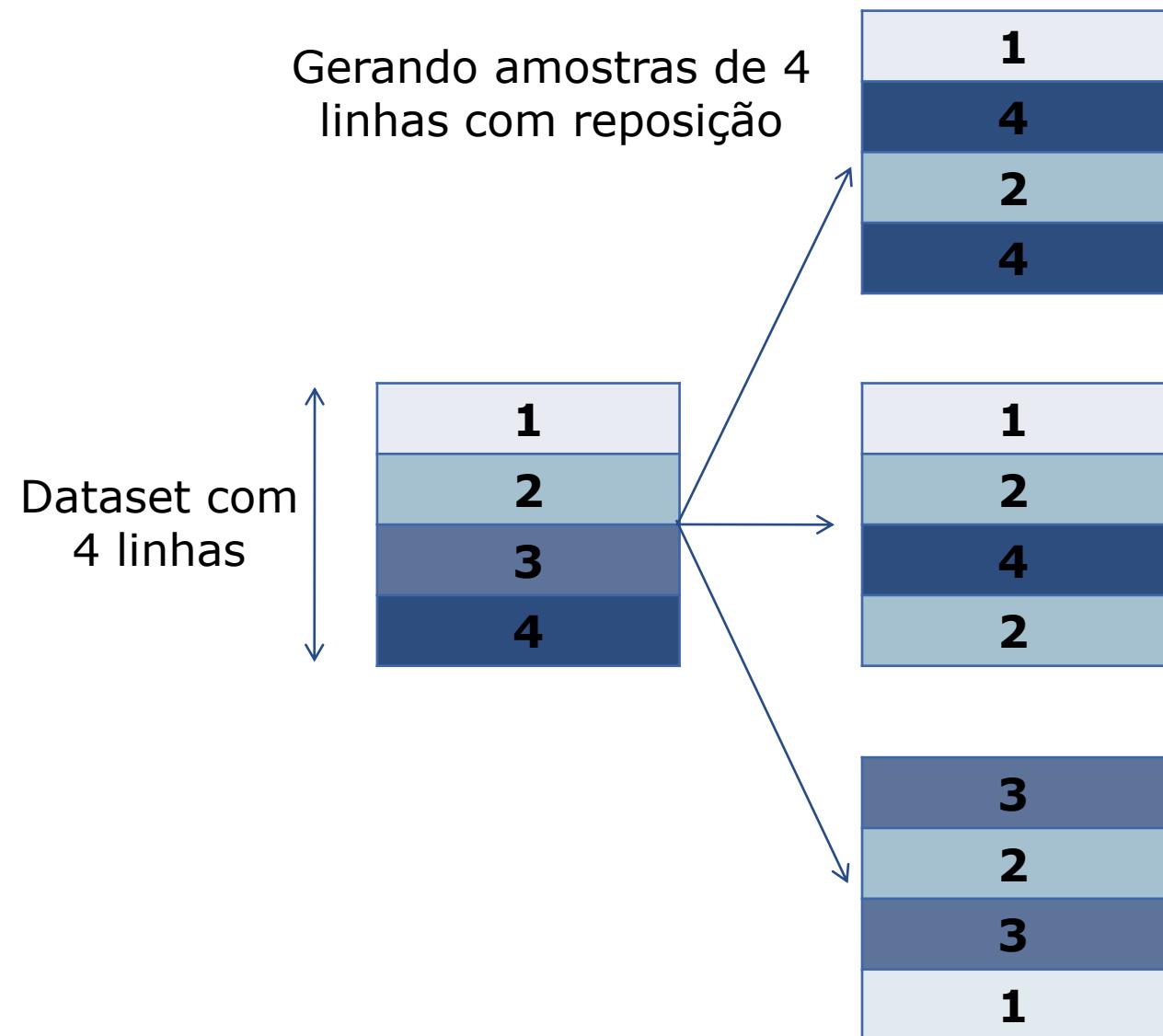
1
2
3
4

1
4
2
4

Amostragem com reposição

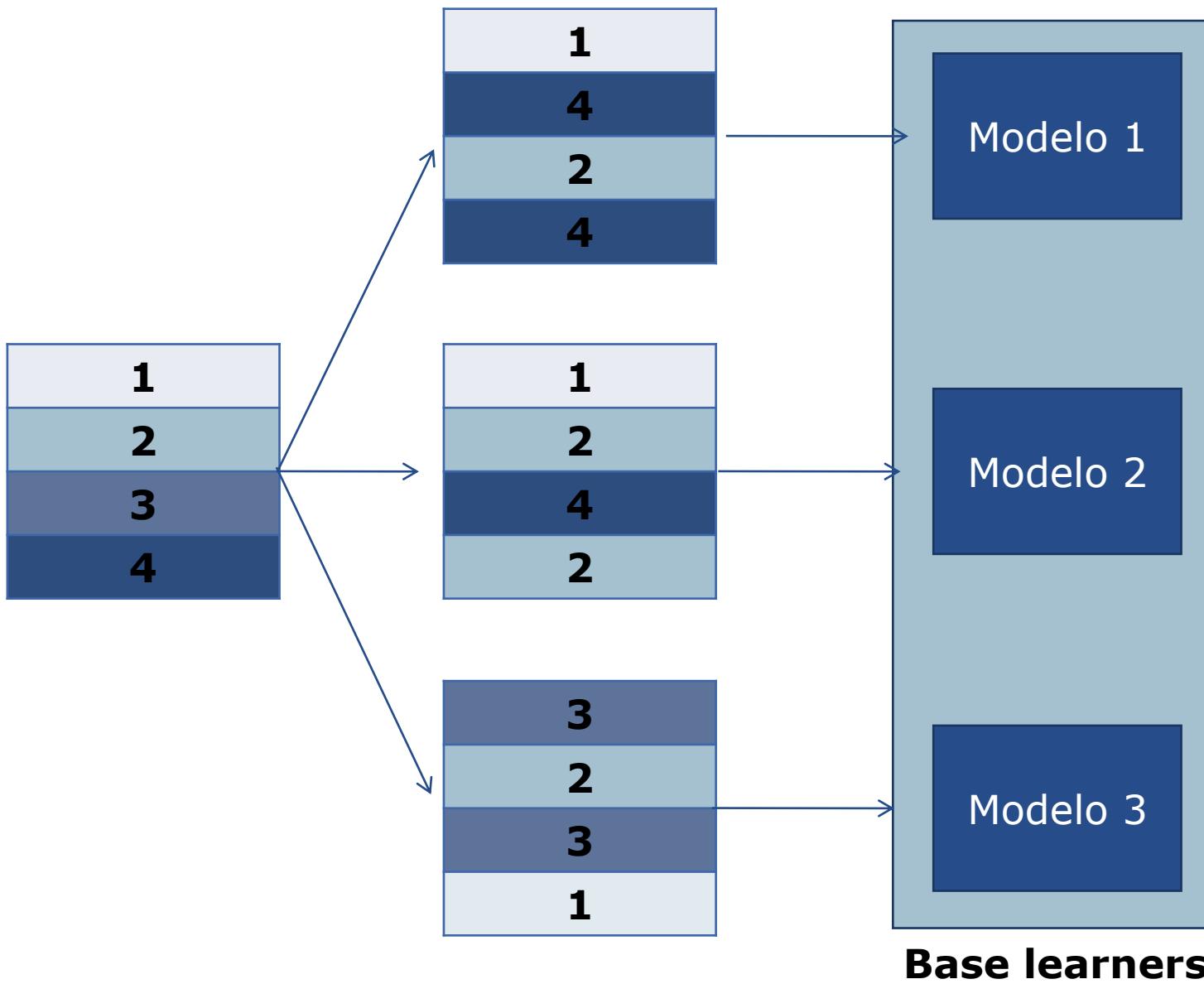


Amostragem com reposição

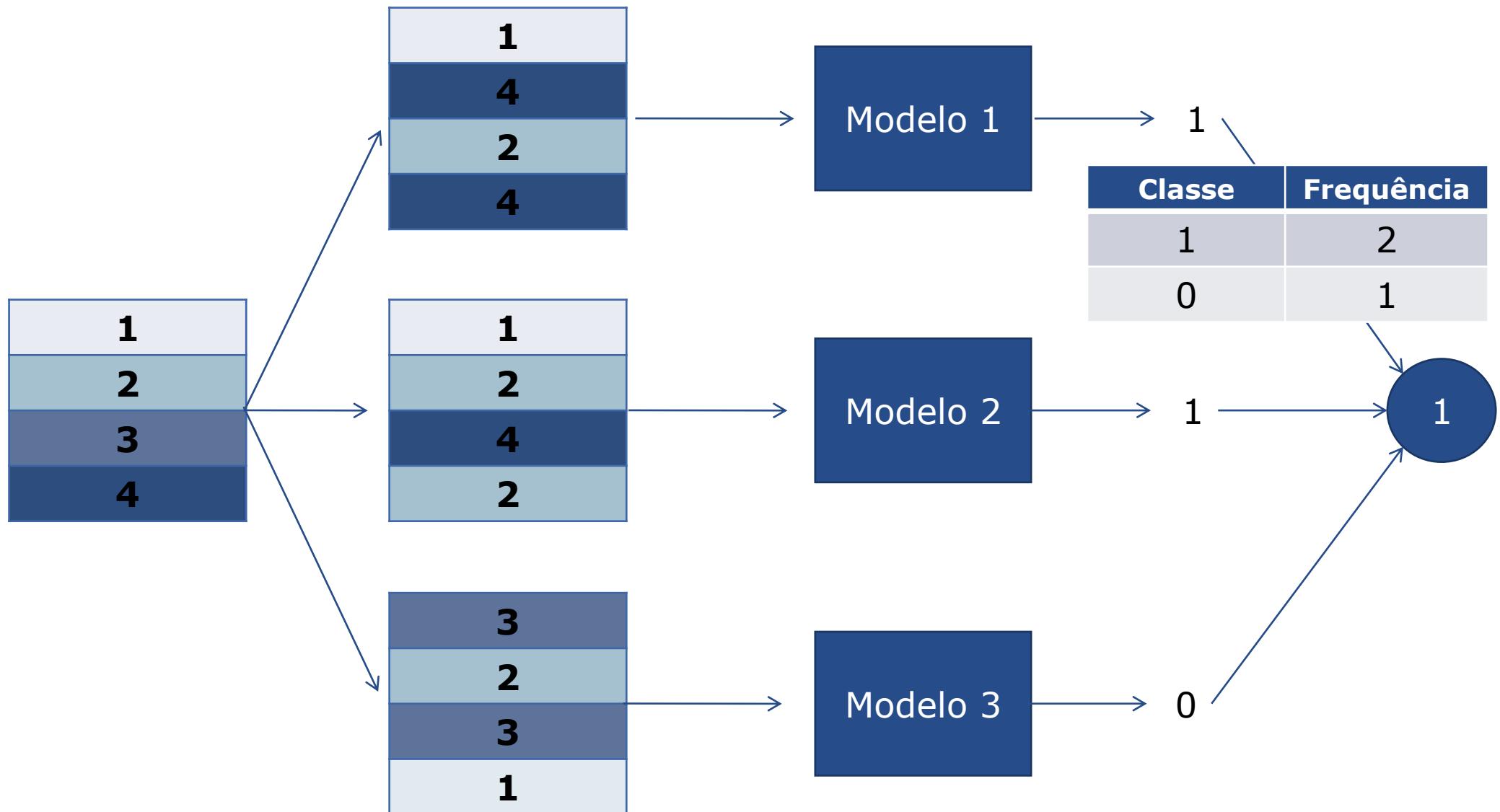


Amostragem com reposição = Bootstrap

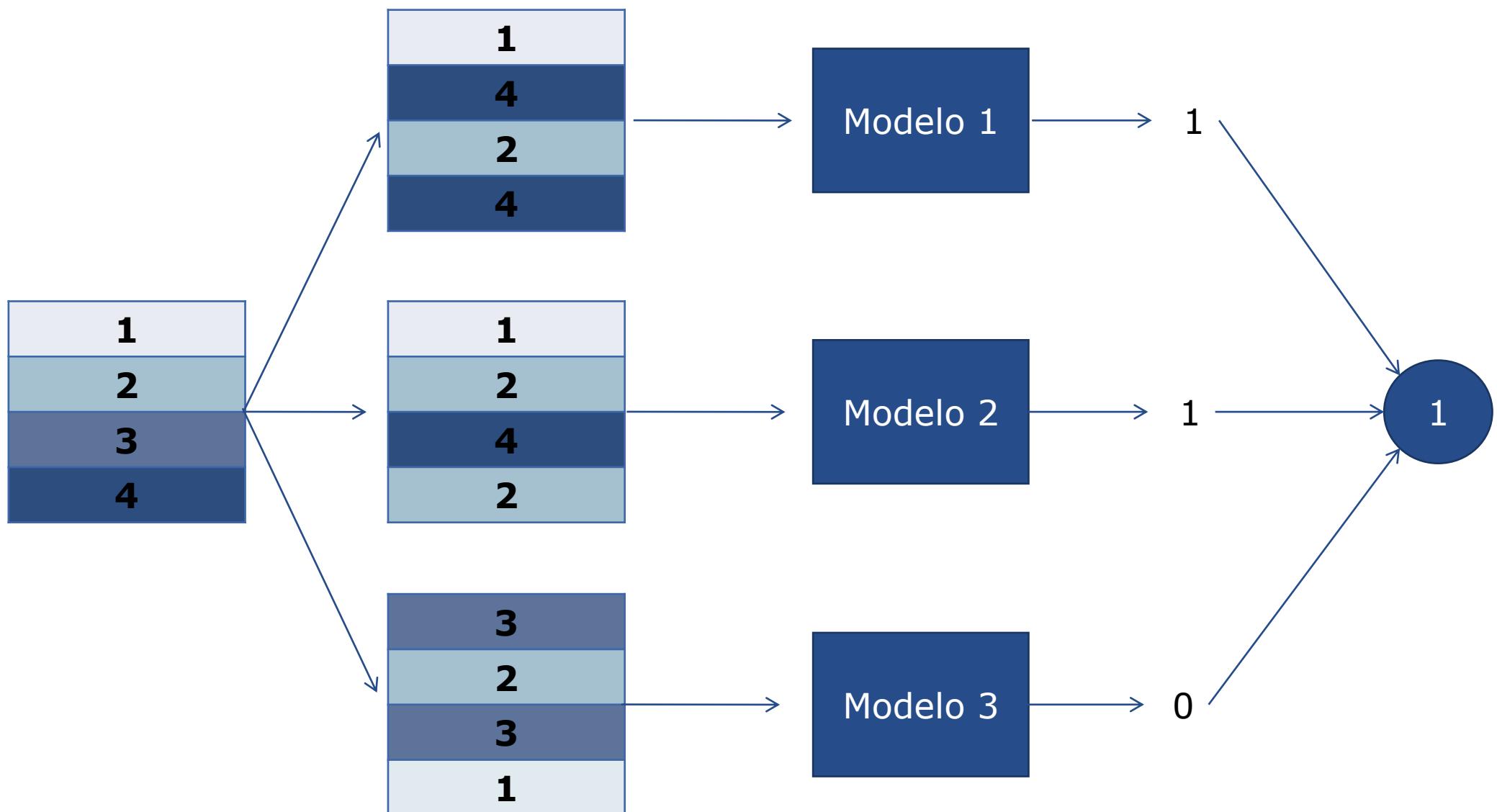
Base learners



Aggregating



Bagging - Bootstrap Aggregating



Bagging - Bootstrap Aggregating

E para um
problema de
regressão?

