

# Machine Learning

## Ensemble learning algorithms



*"Combination of weak models to achieve better predictive performance"*

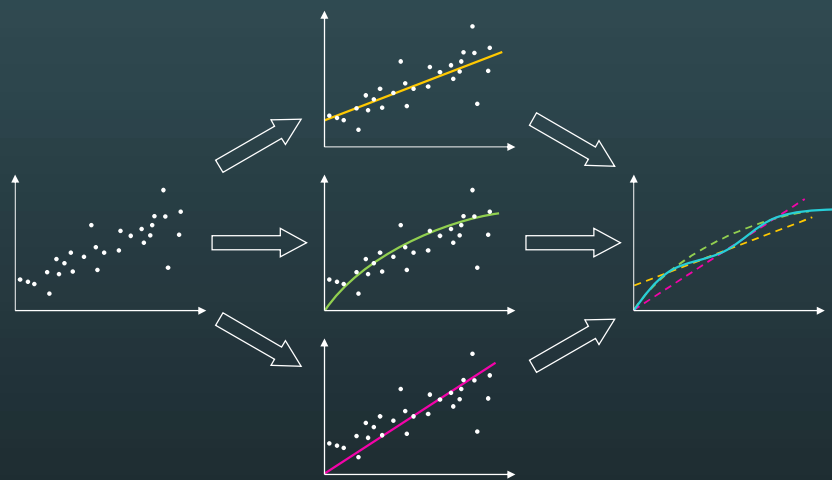


### Bagging



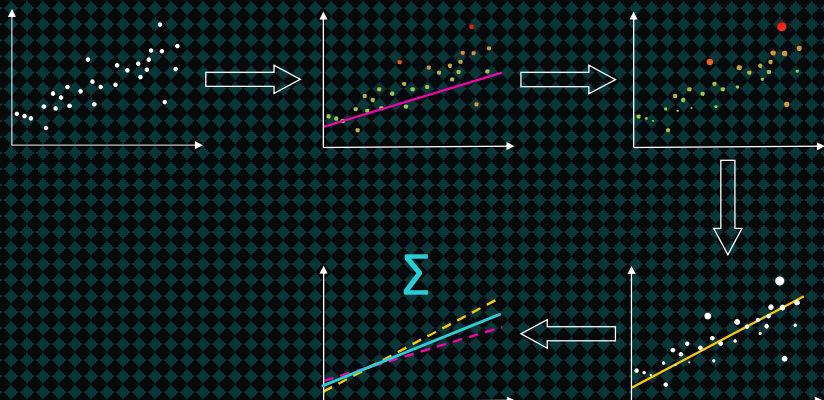
*Trains same model on different subsamples, then aggregates predictions  
Random forest is an ensemble model bagging decision trees*

### Stacking



*Trains different models on same dataset, then trains last model on intermediate predictions*

### Boosting



*Trains same model on dataset weighted with prior model errors, then aggregates predictions*