



DATA LAB

GUARDA AVANTI

Big Data, nuove competenze
per nuove professioni.



"Anticipare la crescita con le nuove competenze sui Big Data" Operazione Rif. PA 2023-19167/RER approvata con DGR n° 843 del 29 maggio 2023 e co-finanziata dal Fondo Sociale Europeo Plus 2021-2027 Regione Emilia-Romagna

The background of the entire slide is an underwater photograph. On the left, a diver in a black wetsuit and yellow fins is visible, holding a camera. To the right, a massive, dense school of silver fish, likely sardines, fills the water column. The water is a deep blue, and bubbles are visible rising from the diver.

ARTIFICIAL INTELLIGENCE & MACHINE LEARNING

Operazione Rif. PA 2023-19167/RER/10/1, "ANTICIPARE LA CRESCITA CON LE NUOVE COMPETENZE SUI BIG DATA", approvata dalla Regione Emilia-Romagna con DGR n° 843 del 29/05/2023 e co-finanziata dal Fondo Sociale Europeo Plus 2021-2027

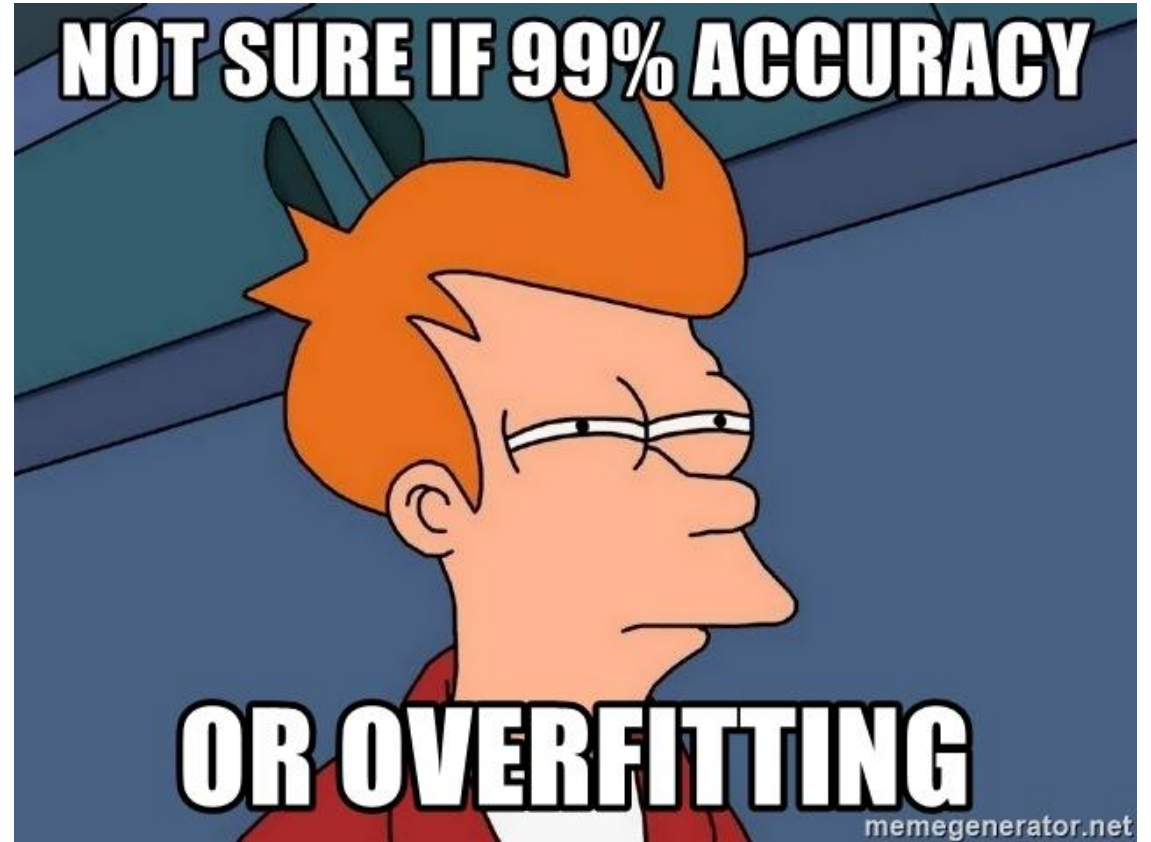
DATA LAB 

OVERFITTING

**QUANDO FAI IL 99% DI
ACCURACY SUL TRAINING SET**

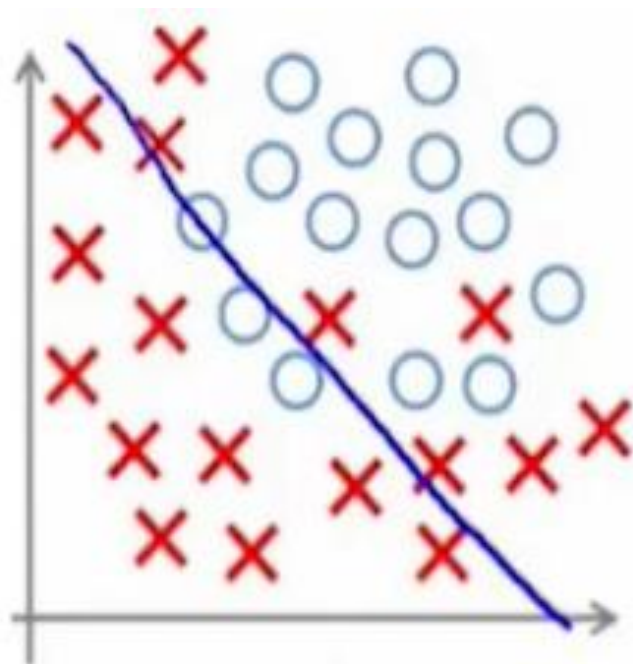


NOT SURE IF 99% ACCURACY



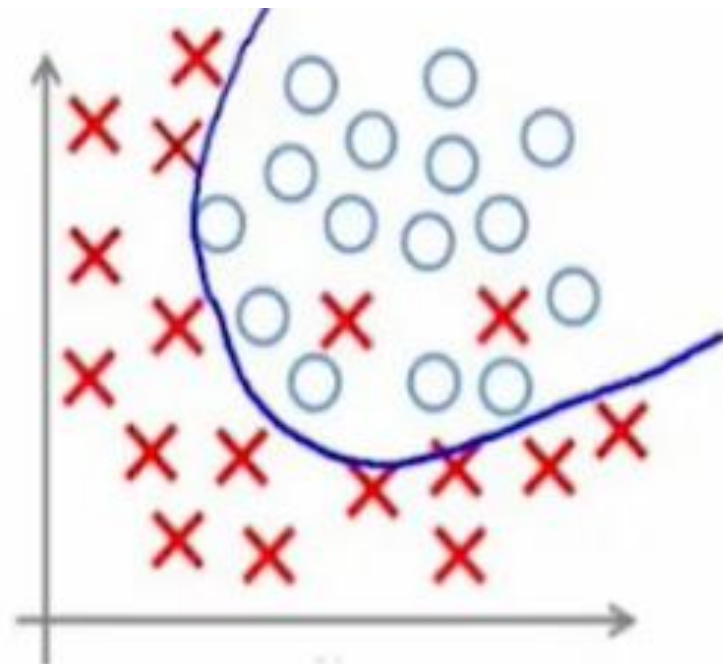
OR OVERFITTING

memegenerator.net

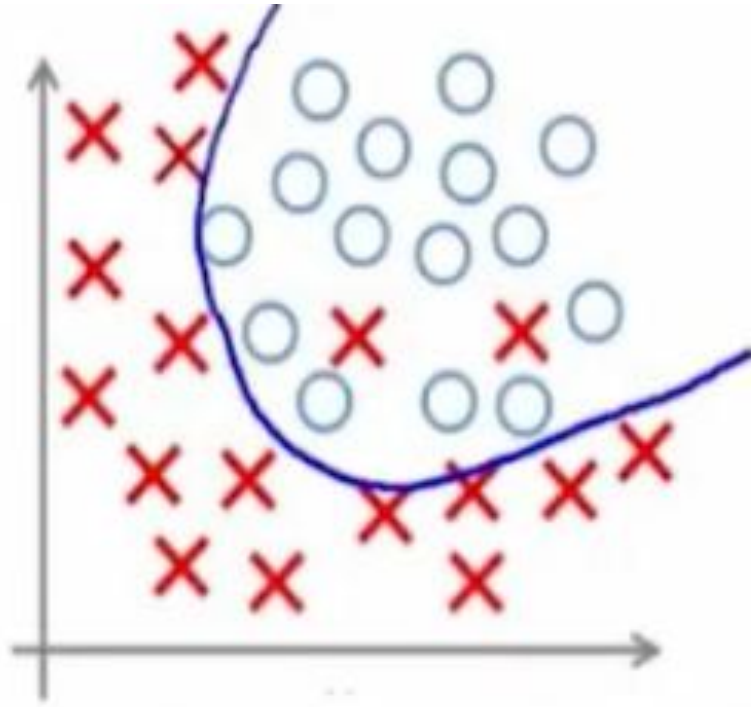


Under-fitting

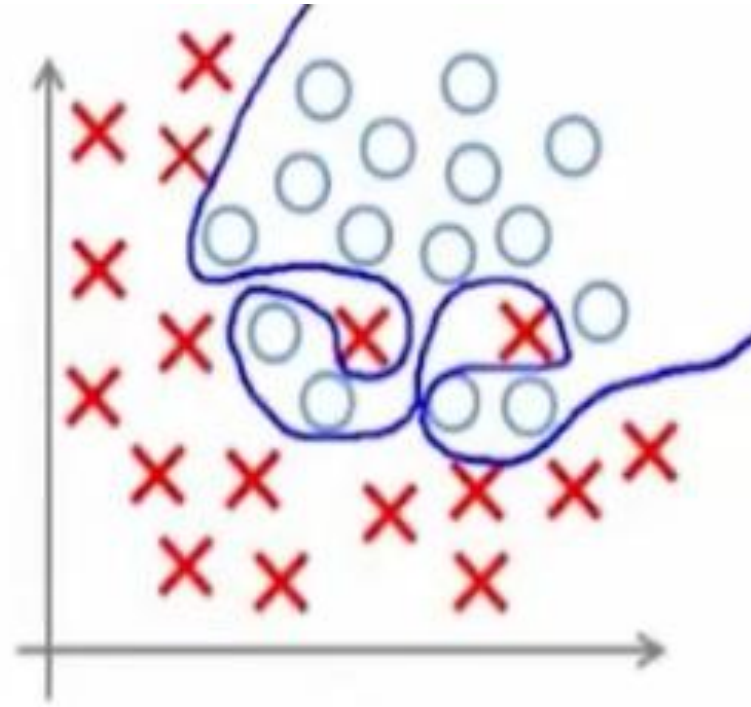
(too simple to
explain the
variance)



Appropriate-fitting



Appropriate-fitting

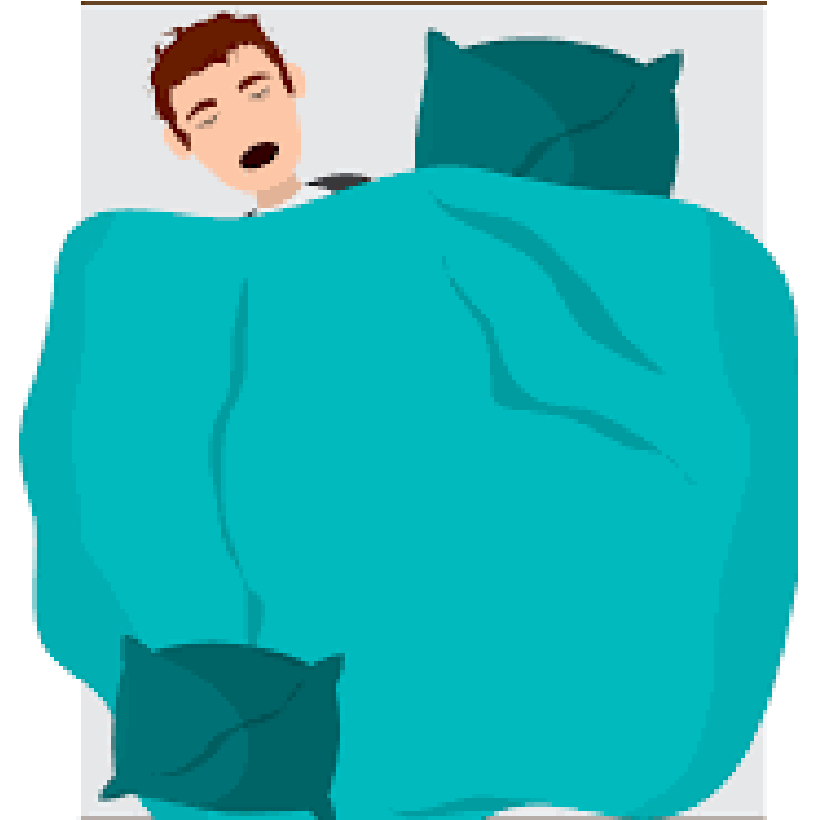


Over-fitting

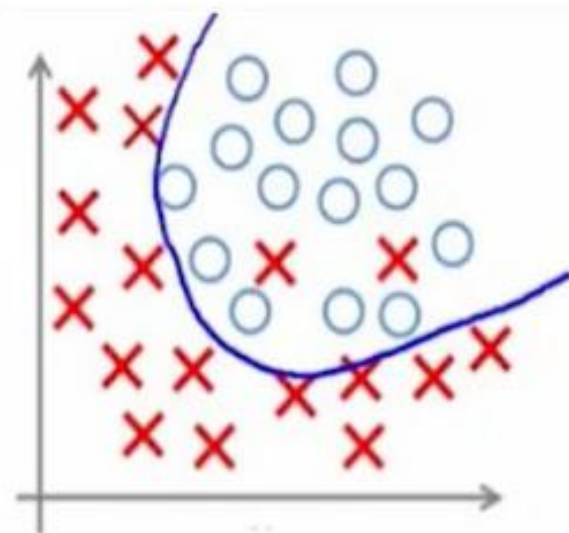
(forcefitting -- too good to be true)



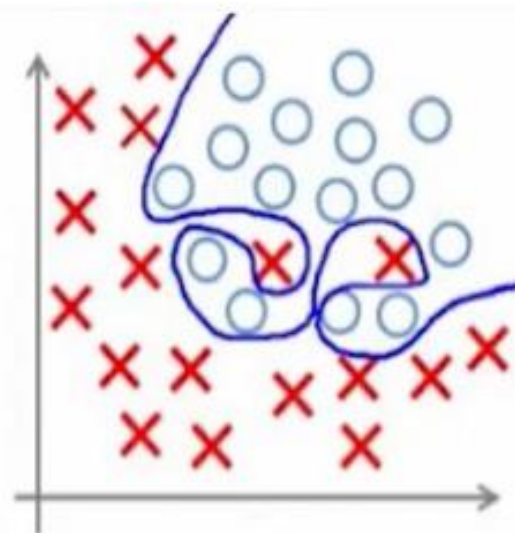
MODEL



DATA

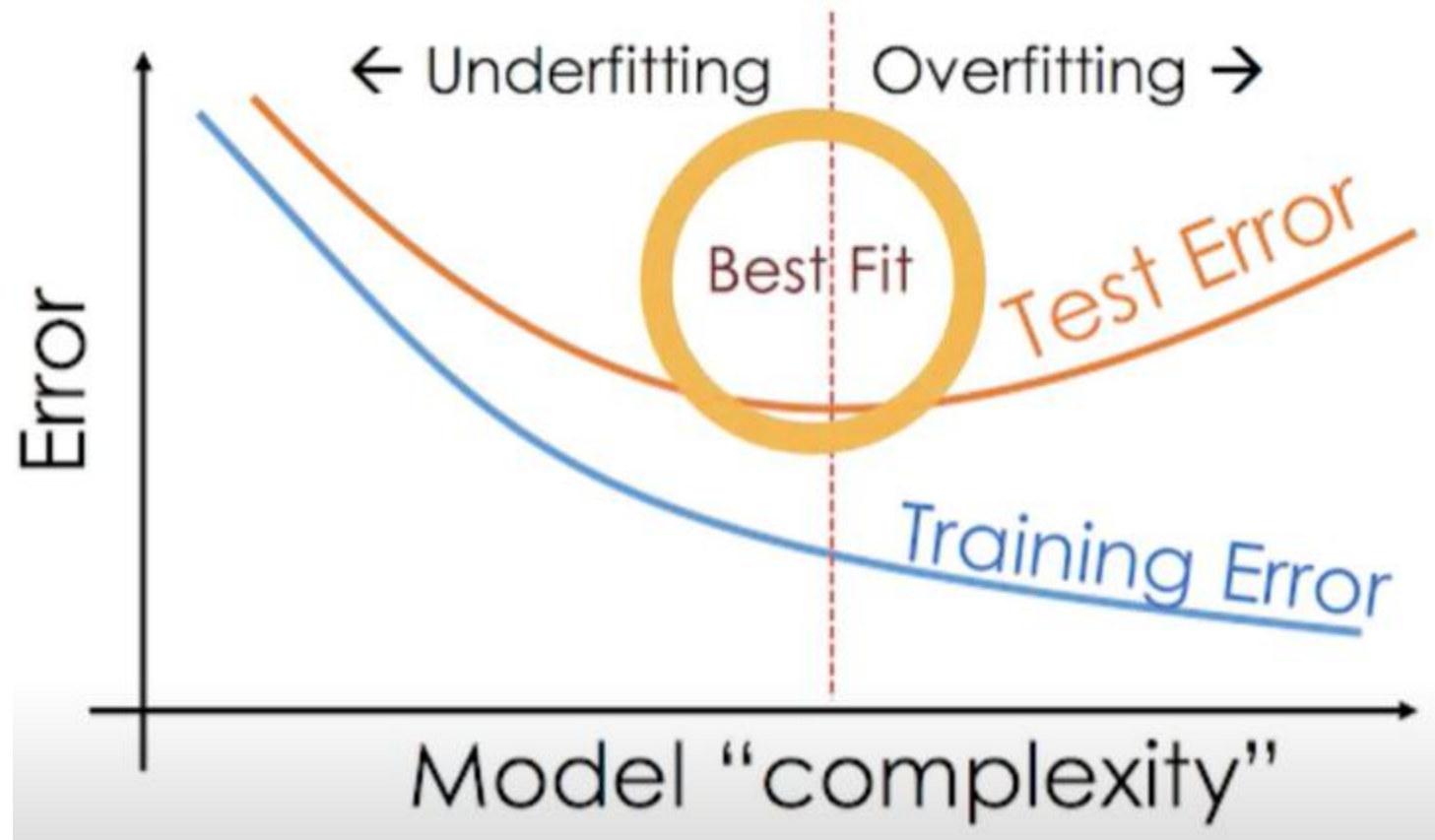


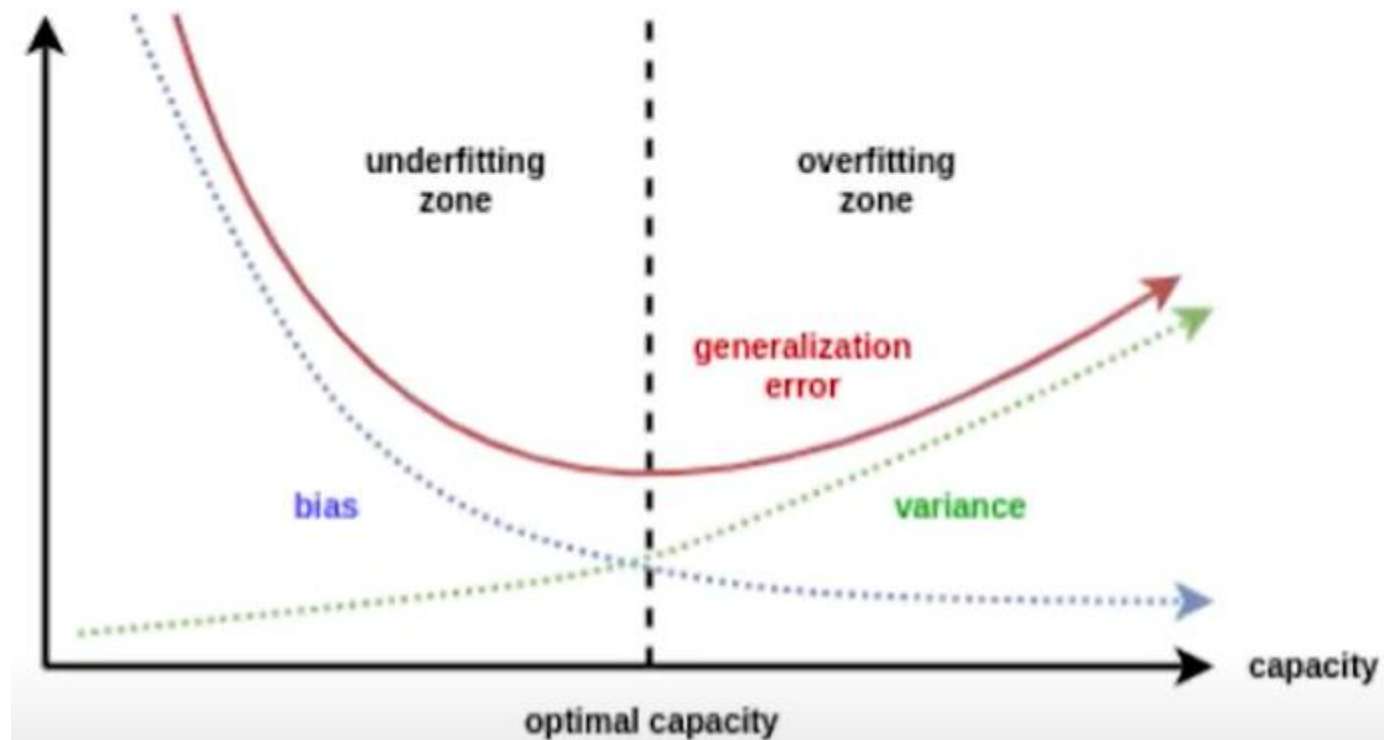
Appropriate-fitting



Over-fitting

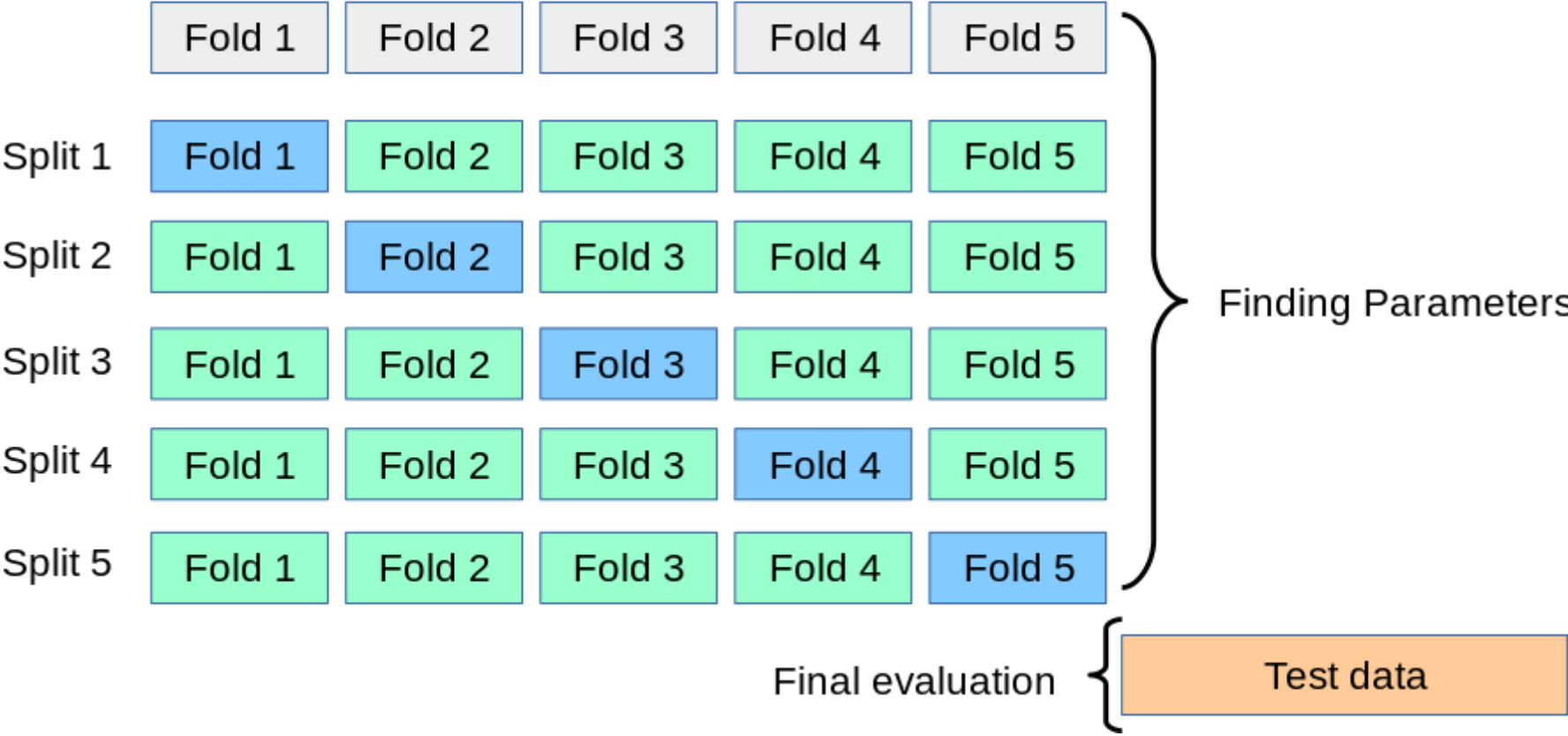
(forcefitting – too good to be true)





All Data

Training data Test data



Model Performance on Training Data



Model Performance on Test Data

