

Training data
 $\{ \underline{x}_i, \underline{t}_i \}_{i=1}^N$

Training Set 80%

TEST SET 20%
↳ only used to

measure
"goodness" of
fit

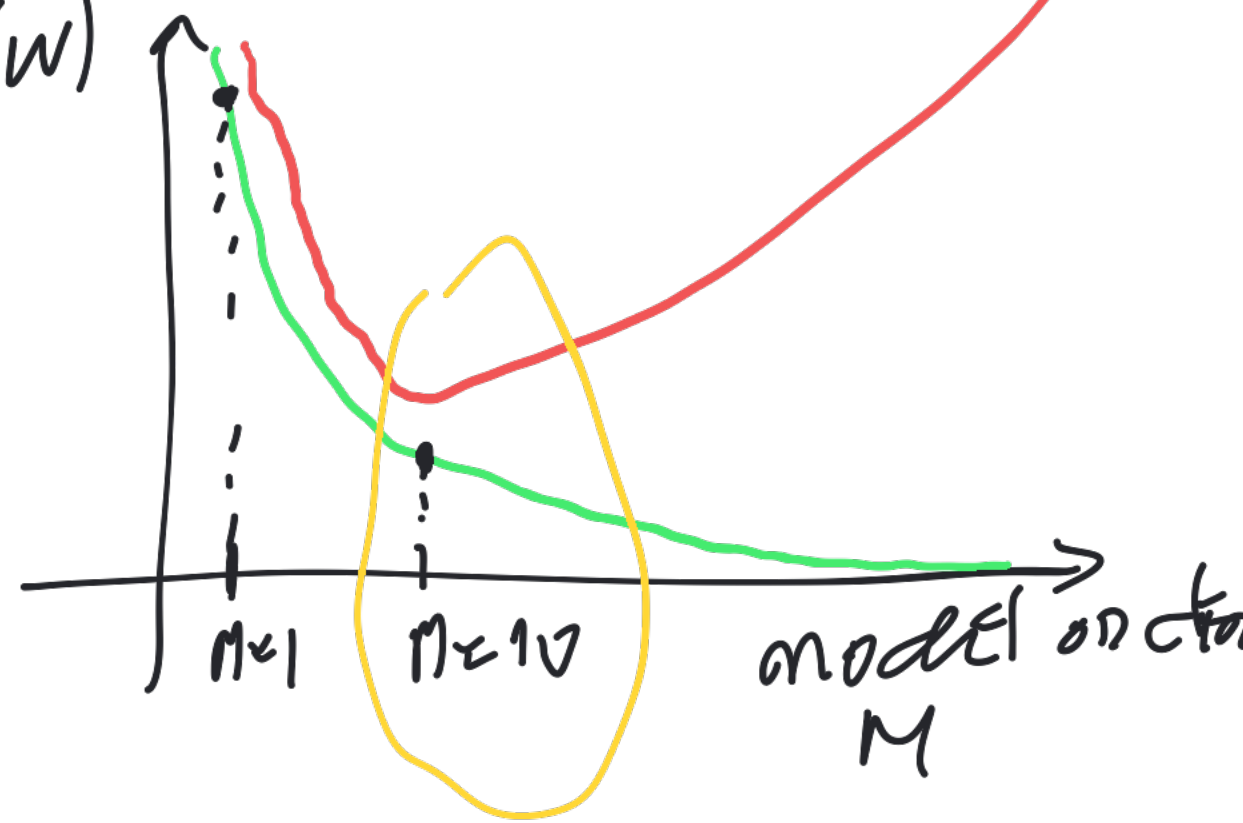
EXPERIMENTAL
DESIGN

Training

validation

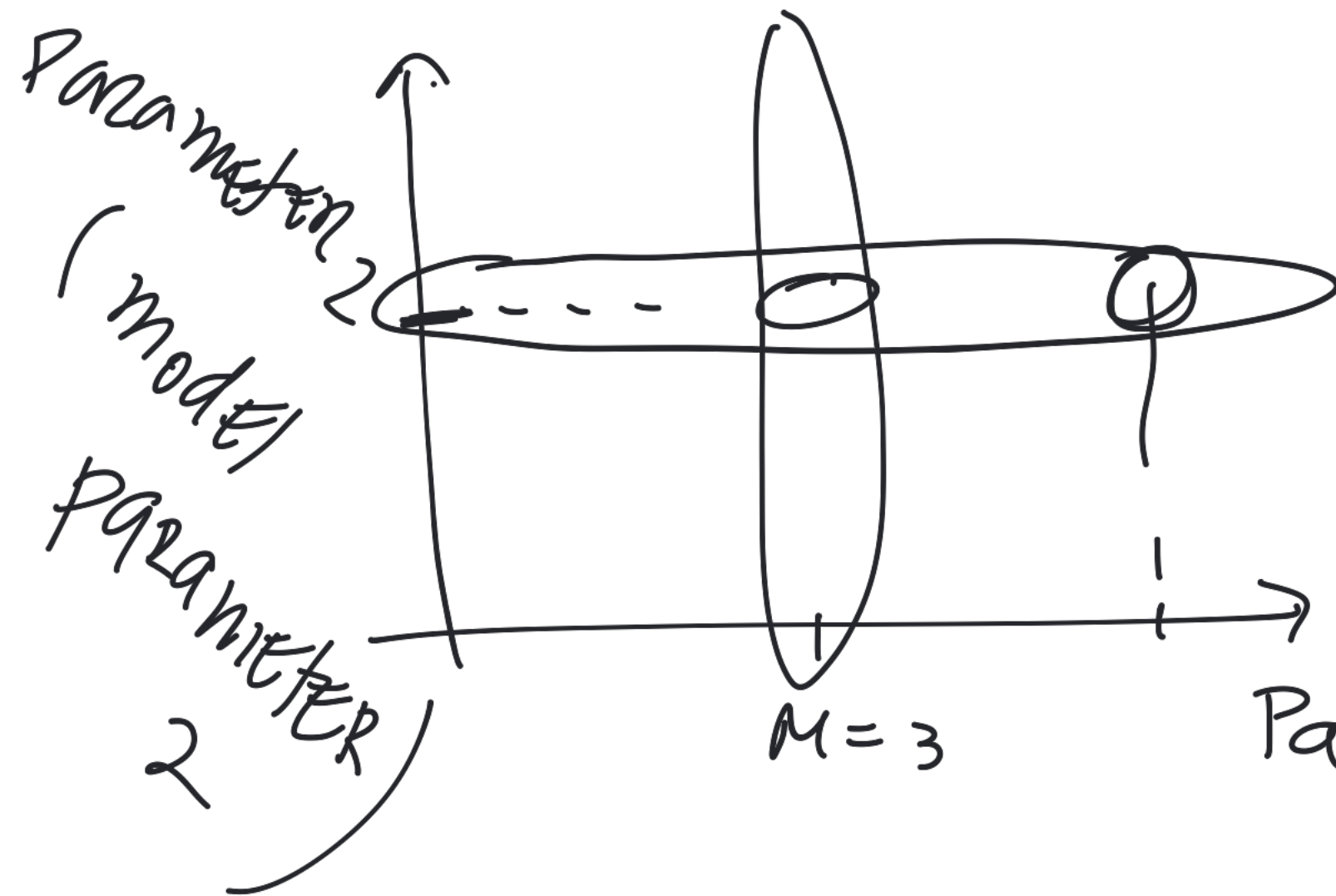
— validation
— training

$J(w)$



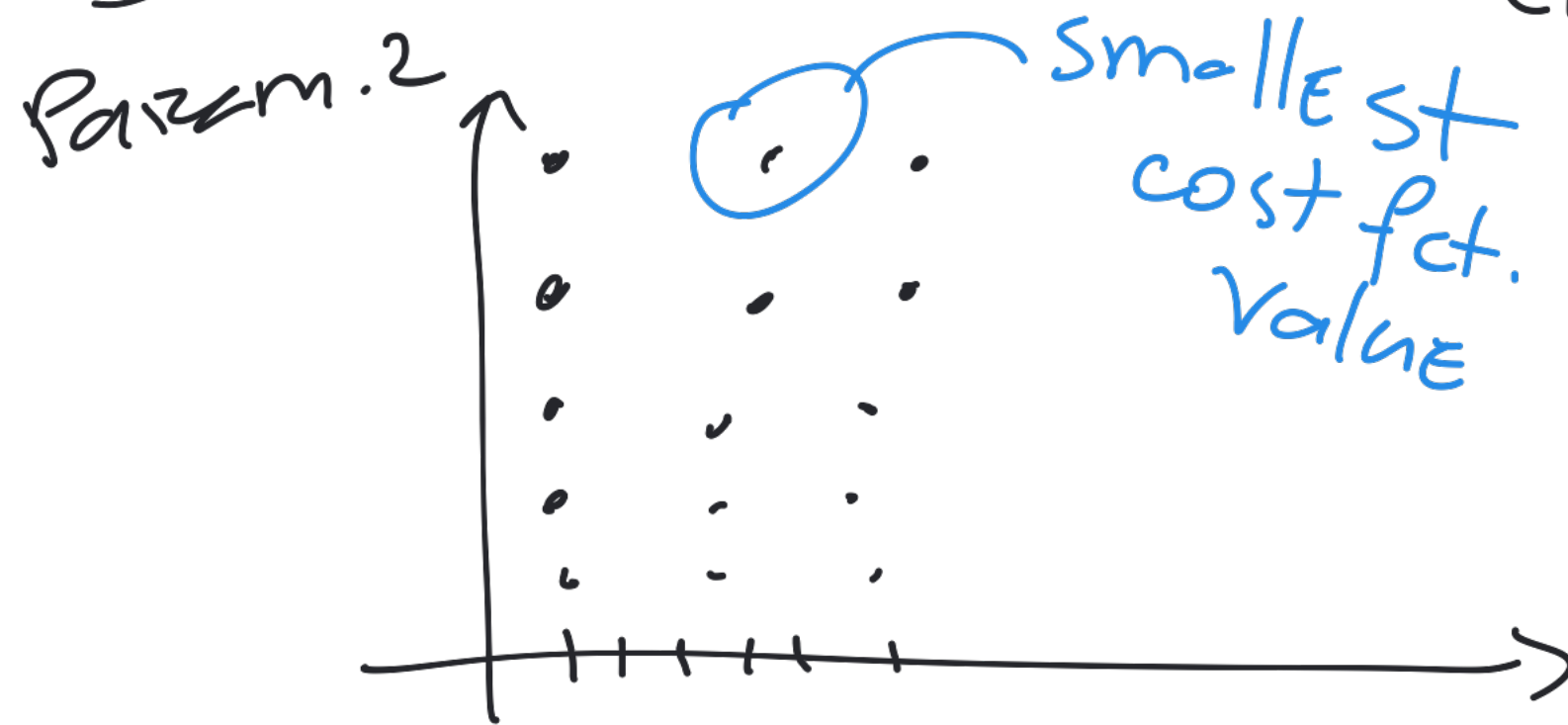
CROSS - Validation

↳ Technique to divide training into training and validation.



one factor
at a time

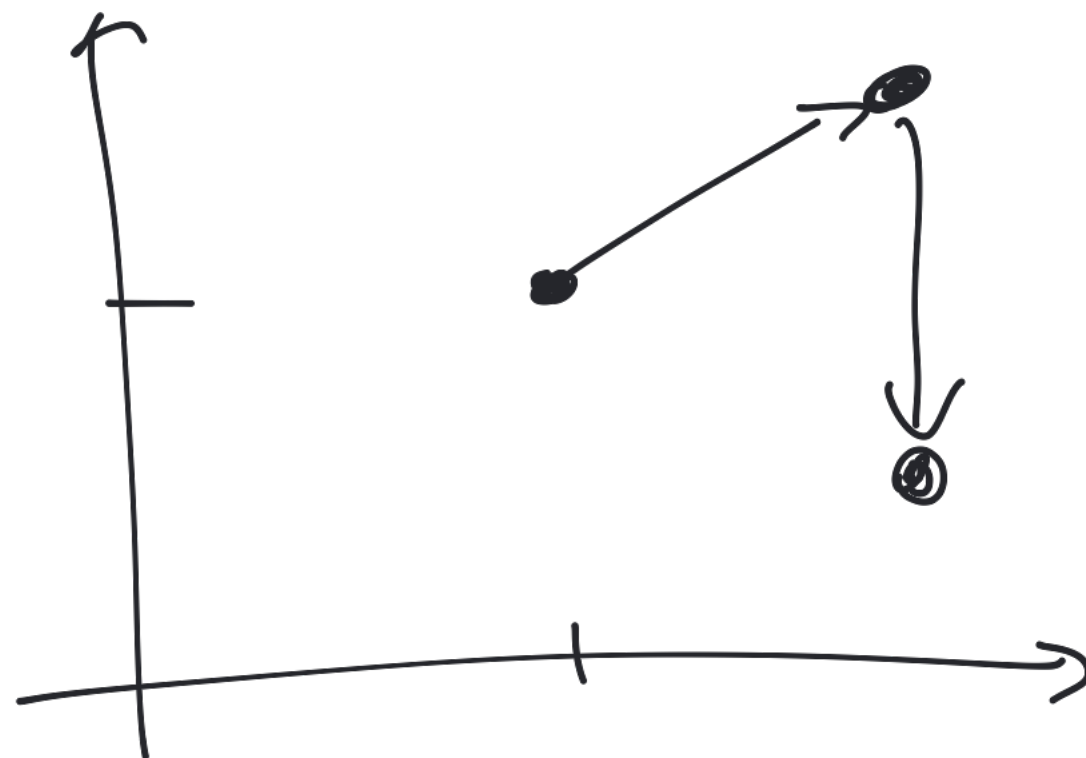
(Model order)



Factorial
Design

Parameter 2

param 2.



param. 1

Best
guess