

## Battery cycling

## Early outcome predictor

## Training dataset

## Multi-armed bandit algorithm (MAB)

First  
100 cycles

Cycle life  
predictions

Recommended charging protocols (CC1, CC2, CC3)

Parameter 3  
(CC3)

Parameter 1  
(CC1)

Parameter 2  
(CC2)

High uncertainty  
(exploration)  
High cycle life  
(exploitation)

