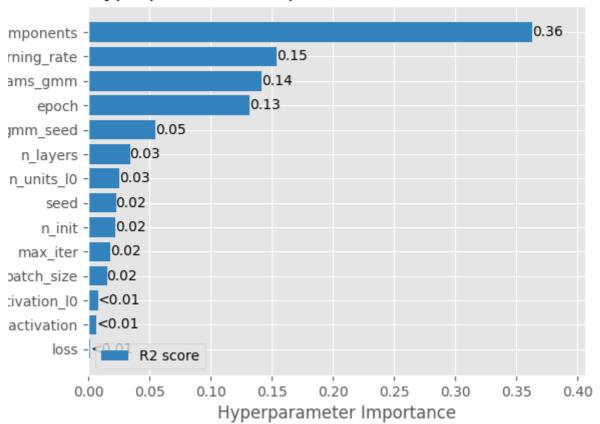
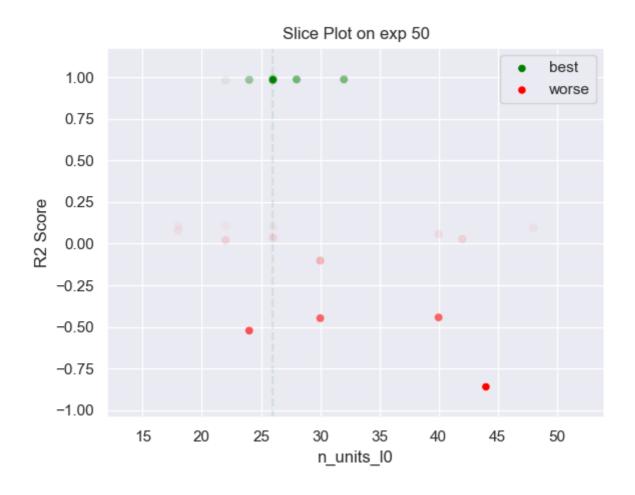
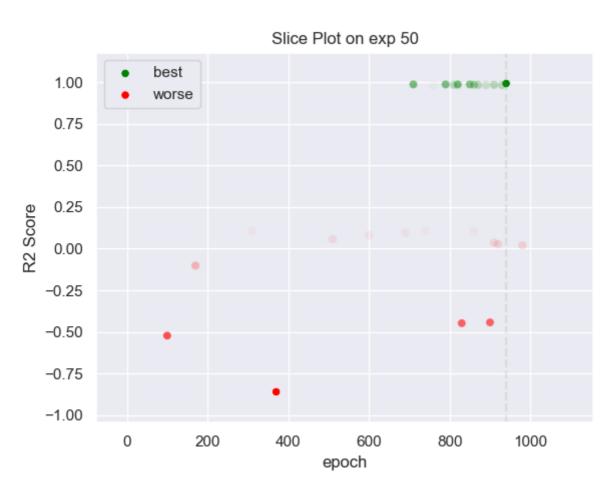
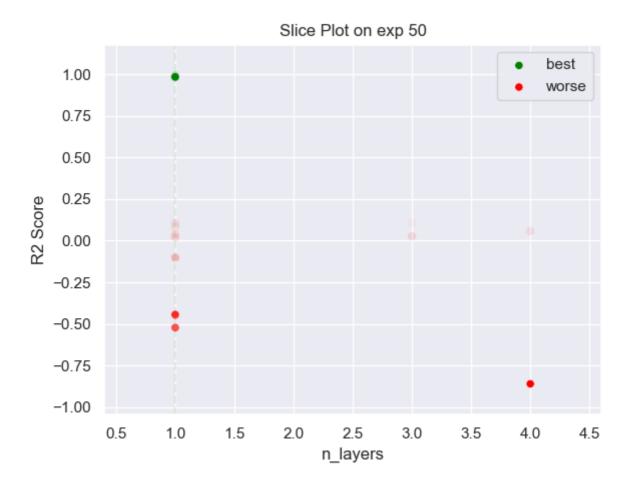
# MLP GMM 50 exp

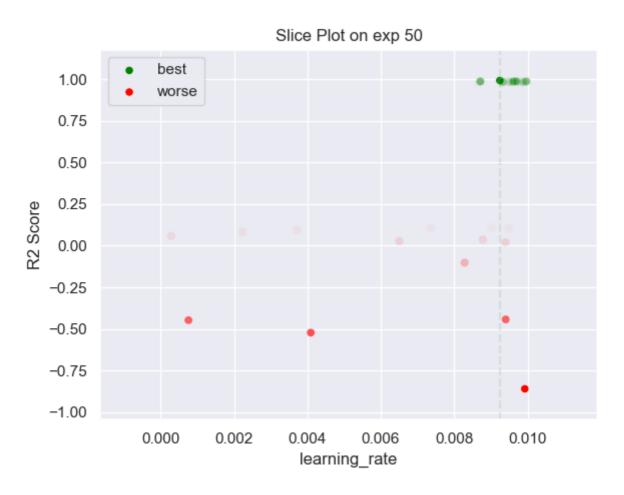
## Hyperparameter Importances

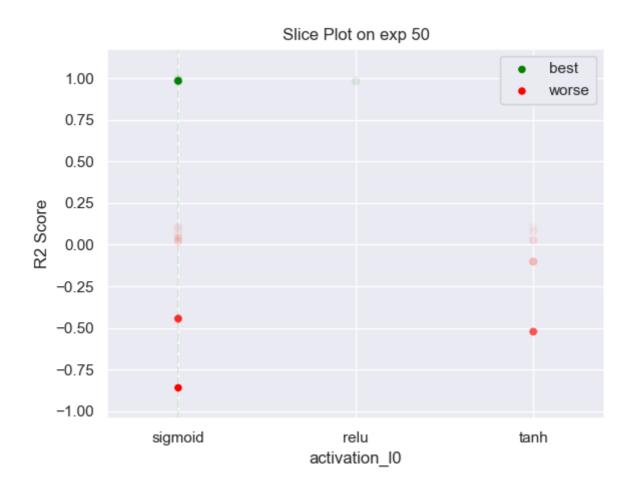


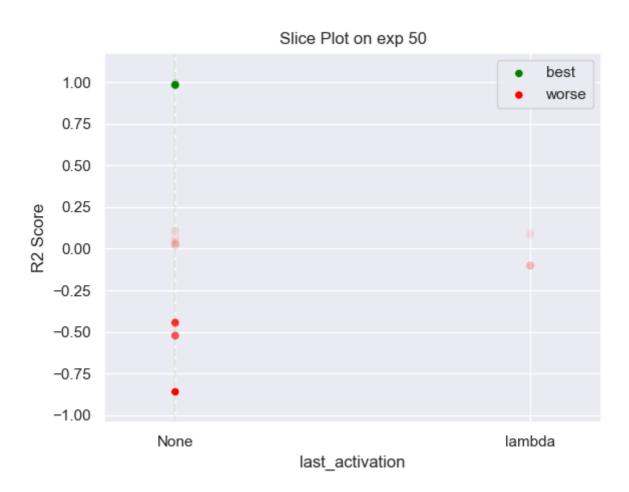


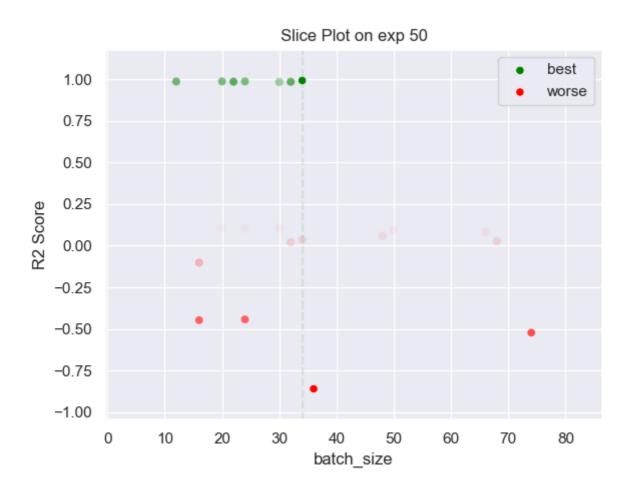


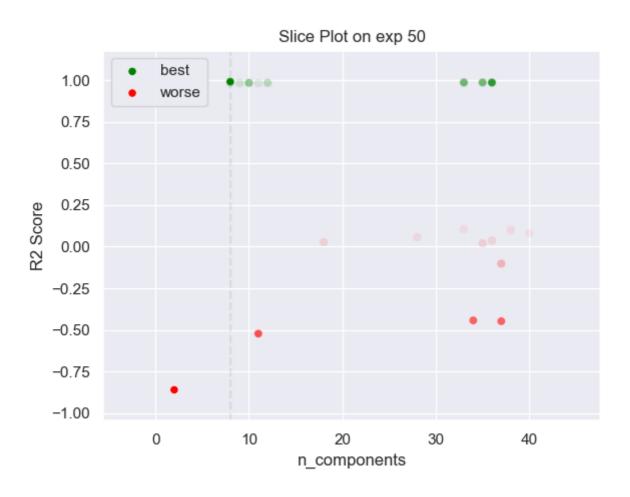












### • R2 score: **0.9924155**

seed: 2n\_init: 30max\_iter: 30

• n\_components: 8

• **gmm\_seed**: *7*3

o init\_params\_gmm: k-means++

n\_layers : 1n\_units\_I0 : 26

activation\_IO : sigmoidlast\_activation : Nonelearning\_rate : 0.00924

epoch: 940loss: mse\_lossbatch\_size: 34

### • R2 score: 0.98696431

seed: 24n\_init: 40max\_iter: 80

• n\_components: 33

 $\circ$  gmm\_seed: 82

• init\_params\_gmm : random

n\_layers : 1n\_units\_IO : 28

activation\_IO : sigmoidlast\_activation : Nonelearning\_rate : 0.00871

epoch: 820loss: mse\_lossbatch\_size: 12

#### • R2 score: **0.98694003**

seed : 14n\_init : 50max\_iter : 70

• n\_components : 35

• gmm\_seed : *71* 

• init\_params\_gmm : random

n\_layers : 1n\_units\_I0 : 26

activation\_IO : sigmoidlast\_activation : Nonelearning\_rate : 0.00963

o epoch: 710

loss: mse\_lossbatch\_size: 20

### WORST 3

• R2 score: -0.85957507

seed: 2
n\_init: 30
max\_iter: 30
n\_components: 8
gmm\_seed: 73

• init\_params\_gmm : k-means++

n\_layers : 1n\_units\_I0 : 26

activation\_IO : sigmoidlast\_activation : Nonelearning\_rate : 0.00924

epoch: 940loss: mse\_lossbatch\_size: 34

• R2 score: -0.52203476

seed : 24n\_init : 40max\_iter : 80

o n\_components: 33

• gmm\_seed: 82

• init\_params\_gmm : random

n\_layers : 1n\_units\_I0 : 28

activation\_IO : sigmoidlast\_activation : Nonelearning\_rate : 0.00871

epoch: 820loss: mse\_lossbatch\_size: 12

• R2 score: -0.44750862

seed: 14n\_init: 50max\_iter: 70

• n\_components : 35

• gmm\_seed: 71

• init\_params\_gmm : random

n\_layers : 1n\_units\_I0 : 26

activation\_IO: sigmoidlast\_activation: Nonelearning\_rate: 0.00963

epoch: 710loss: mse\_lossbatch\_size: 20