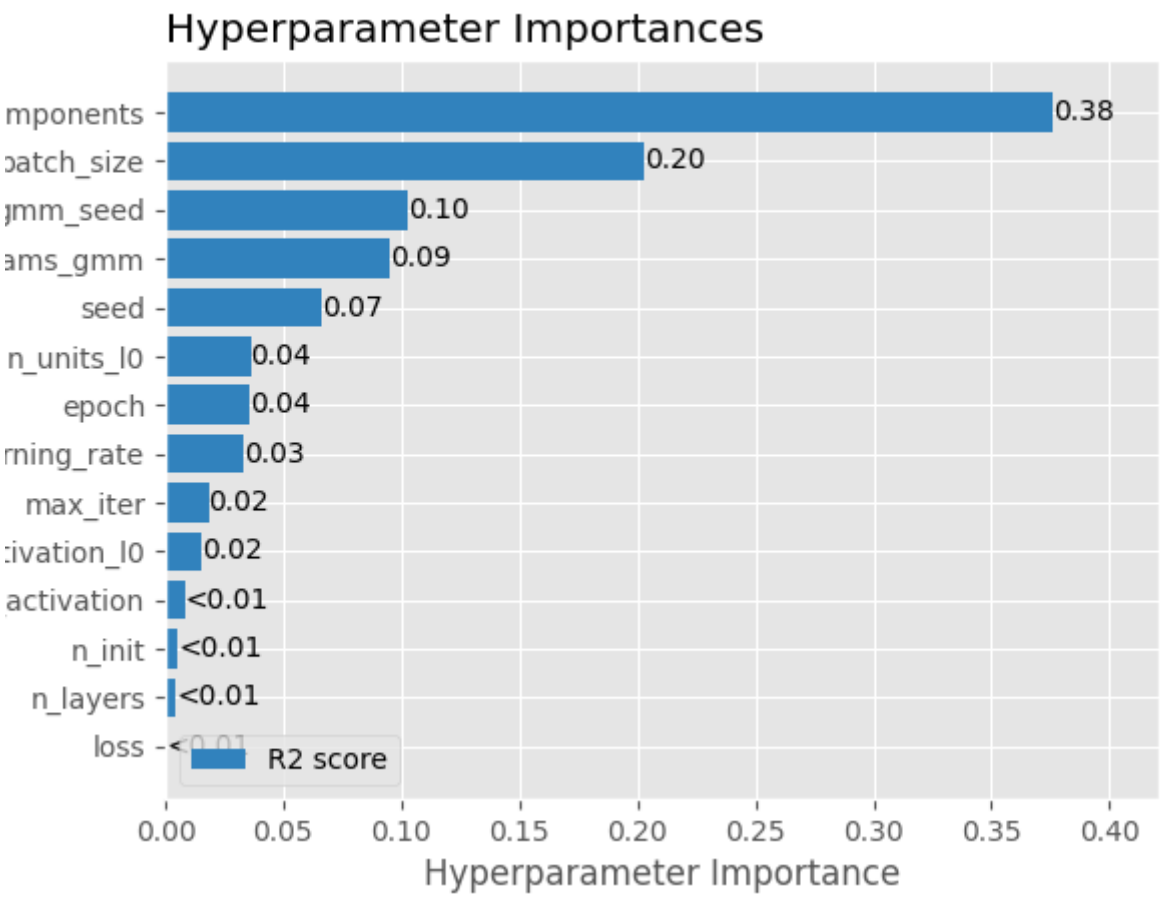
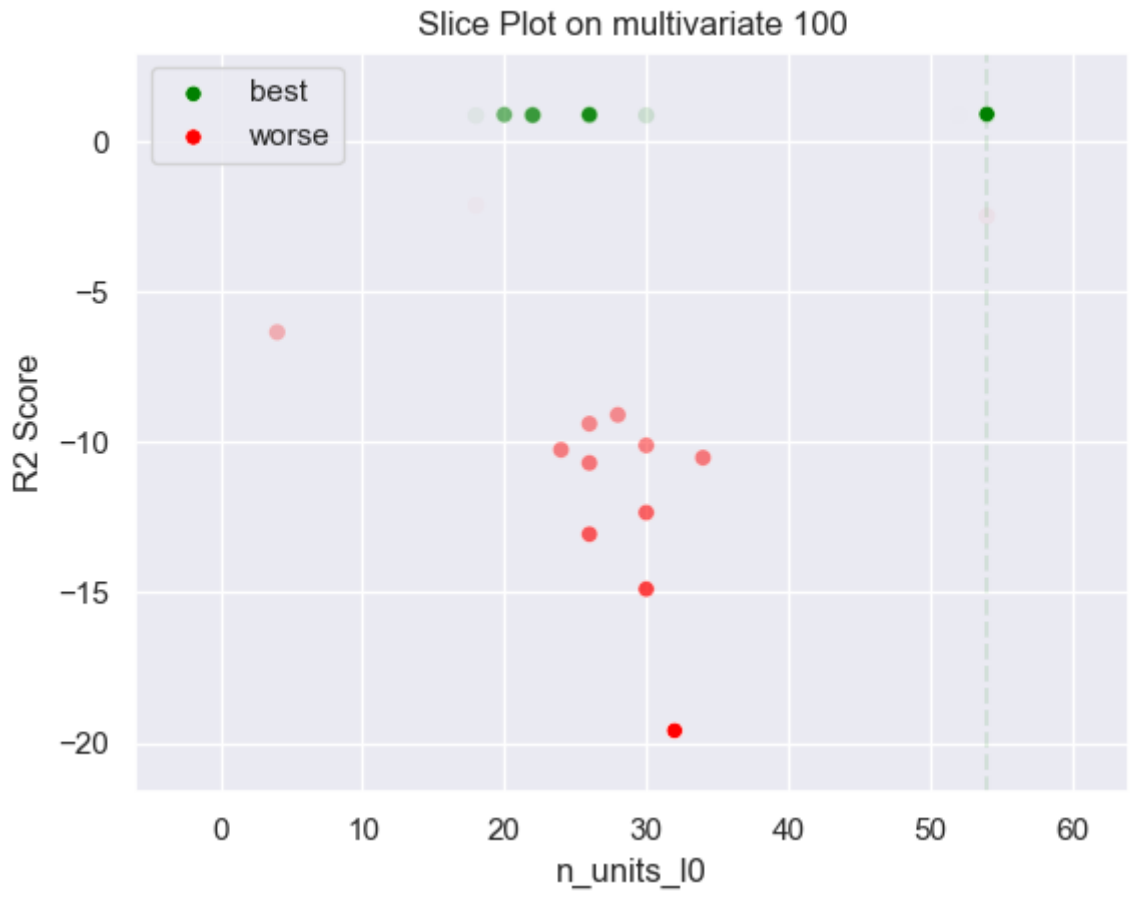
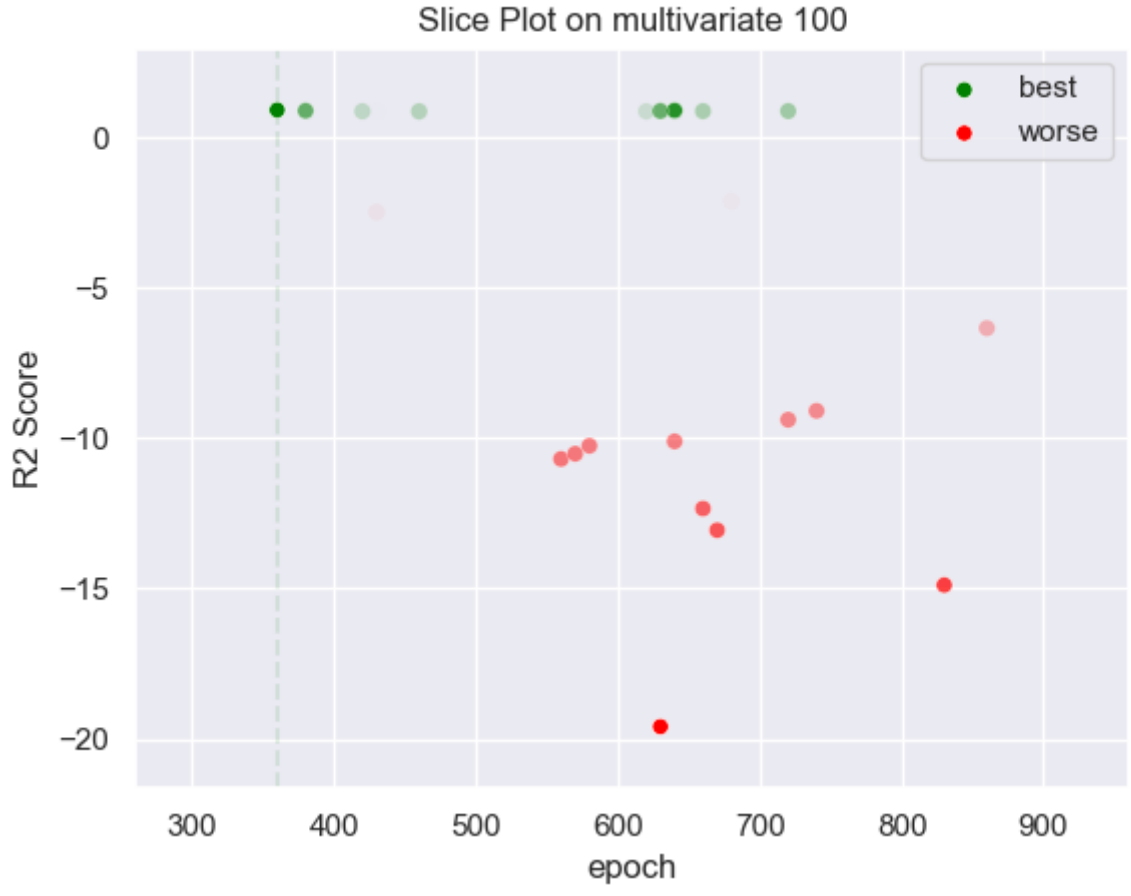
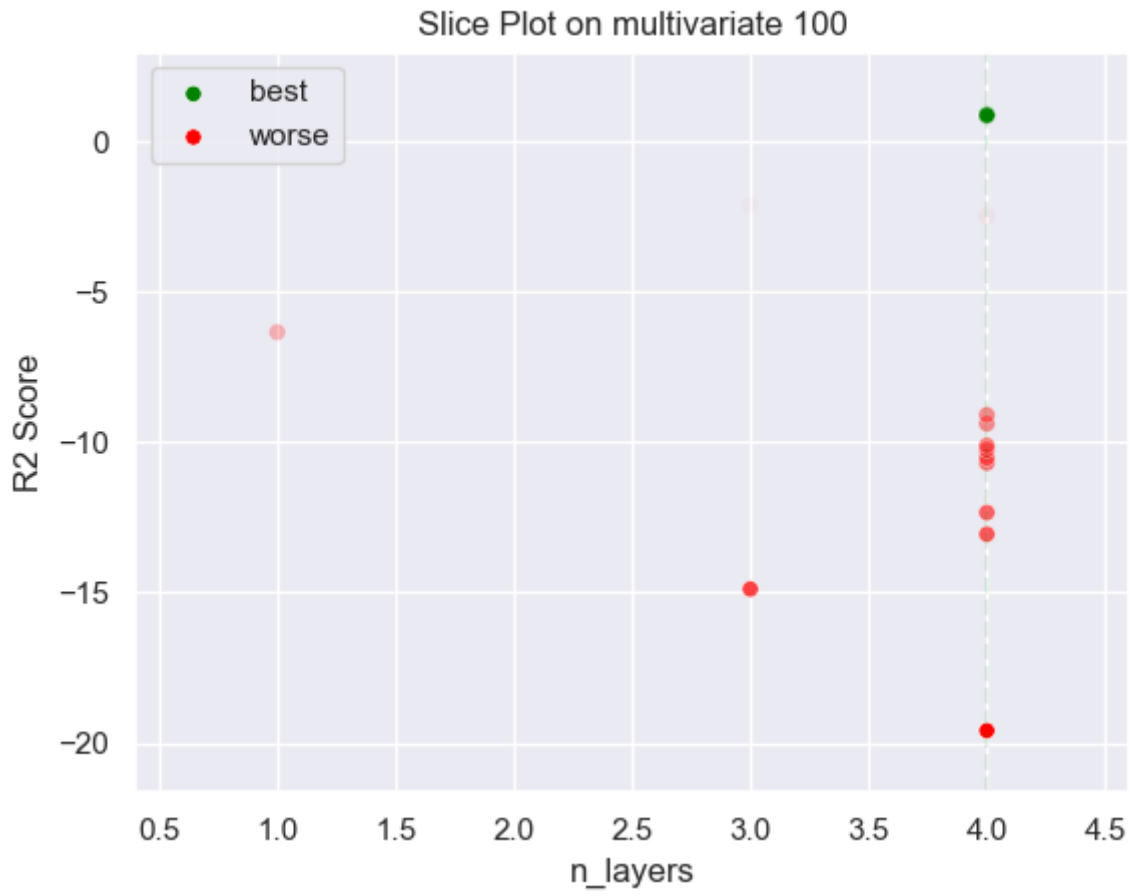
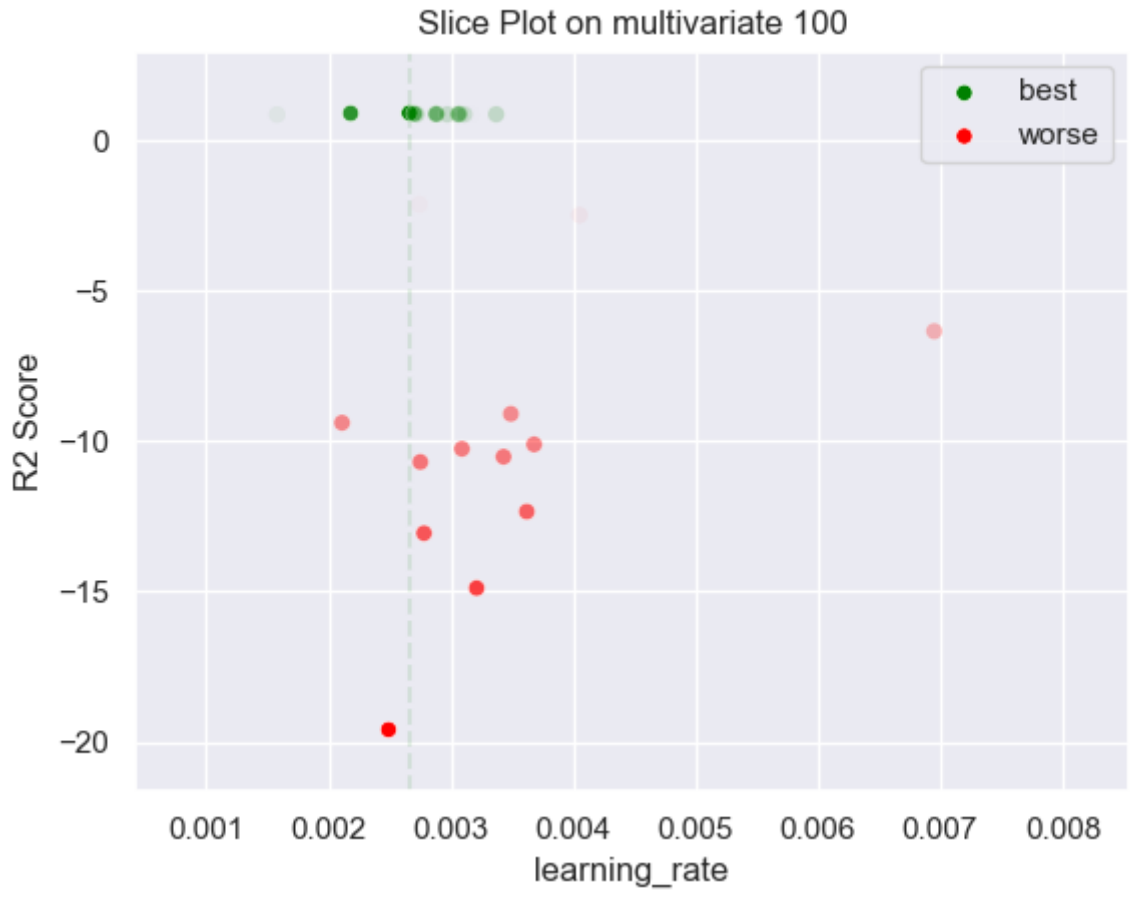
MLP GMM 100 multivariate

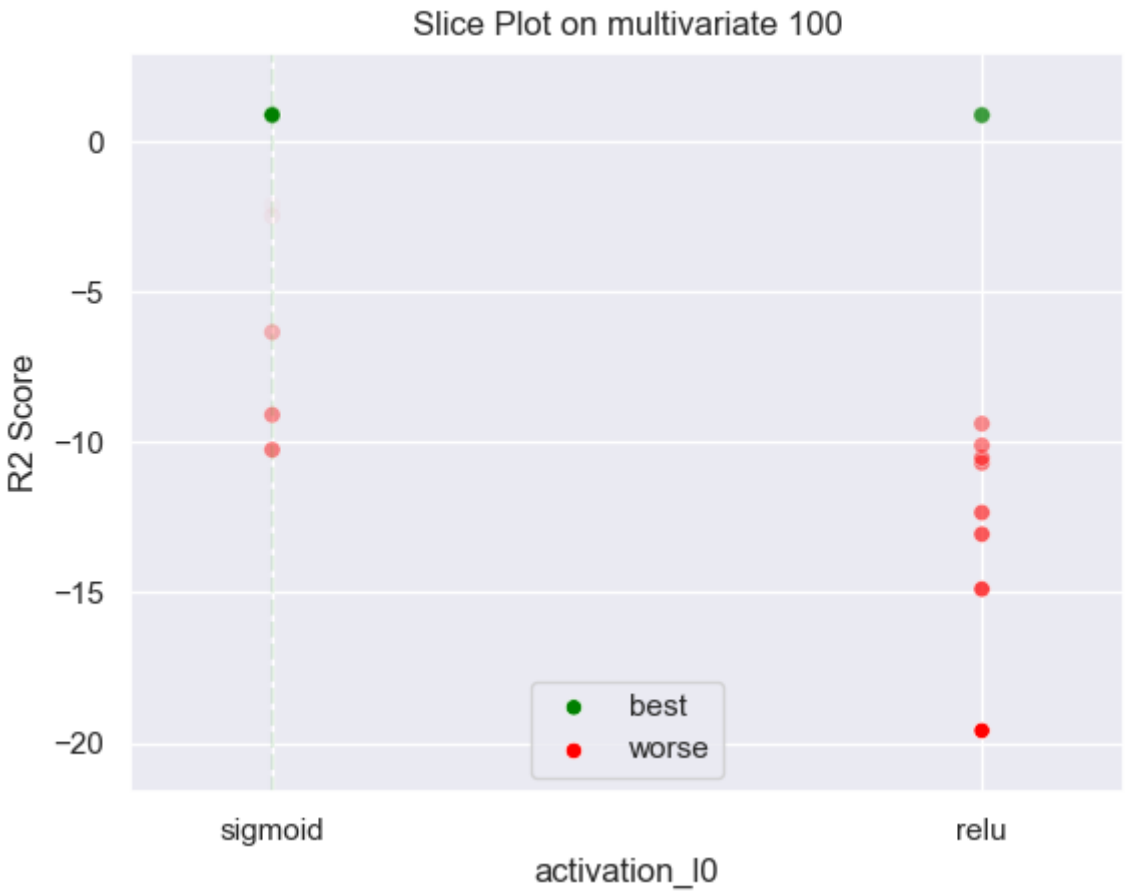


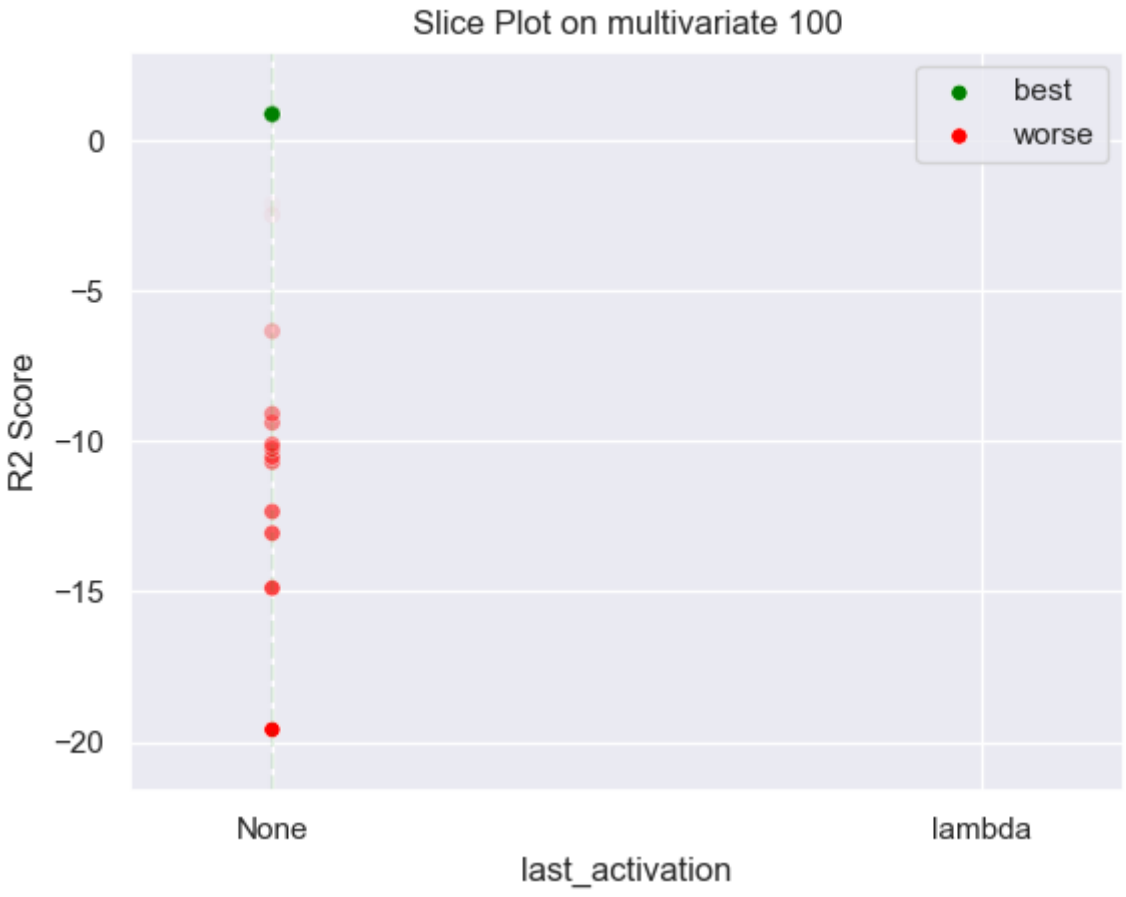

Slice Plot on multivariate 100
best
worse
R2 Score
0
−5
−10
−15
−20
0
10
20
30
40
50
60
n_units_l0

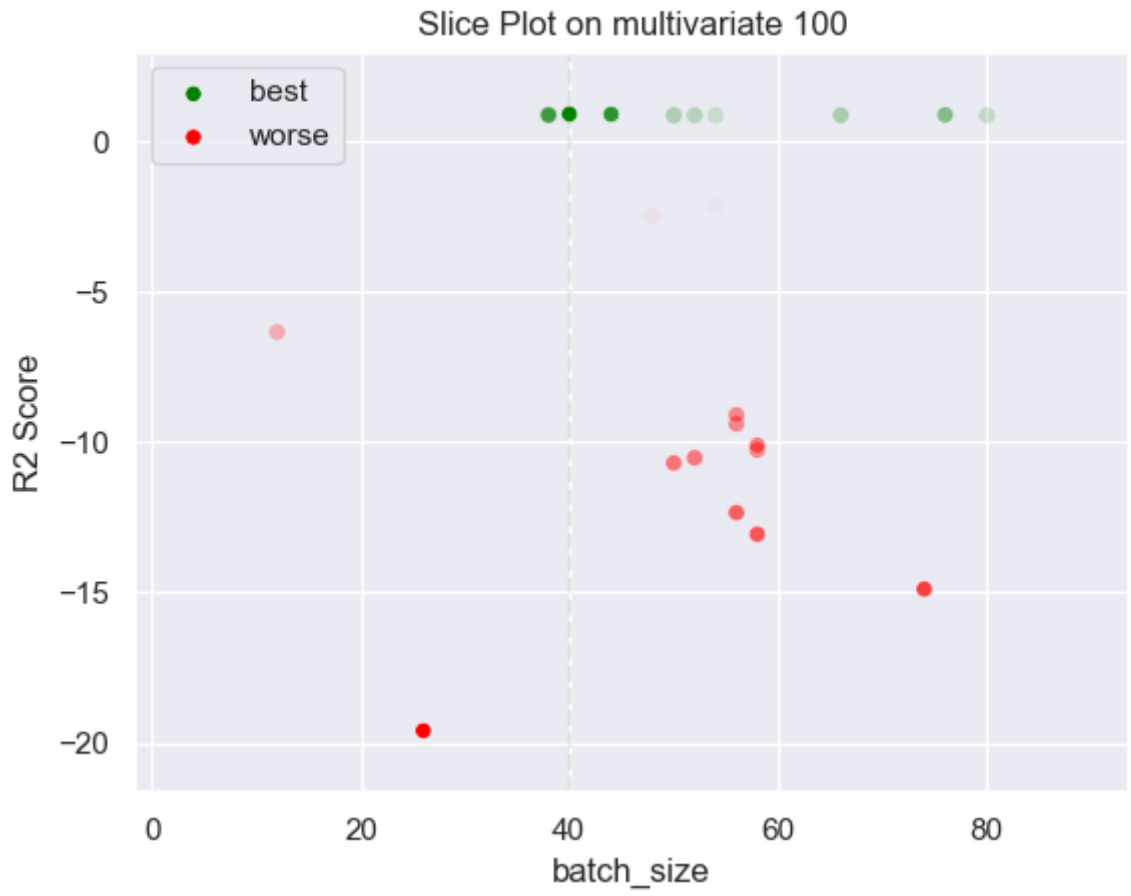

Slice Plot on multivariate 100
best
worse
R2 Score
0
−5
−10
−15
−20
300
400
500
600
700
800
900
epoch

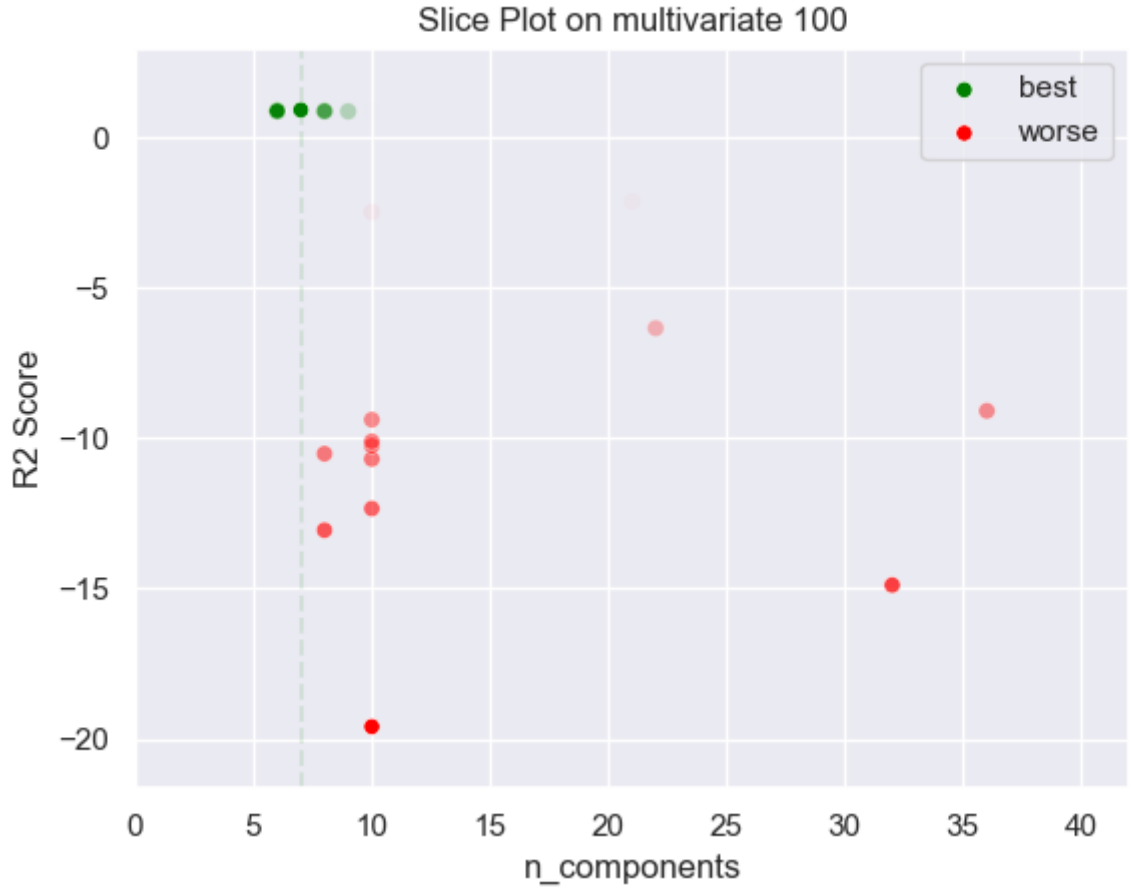

Slice Plot on multivariate 100
best
worse
R2 Score
0
−5
−10
−15
−20
0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0
4.5
n_layers


Slice Plot on multivariate 100
best
worse
R2 Score
0
−5
−10
−15
−20
0.001
0.002
0.003
0.004
0.005
0.006
0.007
0.008
learning_rate


Slice Plot on multivariate 100
R2 Score
0
−5
−10
−15
−20
best
worse
sigmoid
relu
activation_l0


Slice Plot on multivariate 100
R2 Score
0
−5
−10
−15
−20
best
worse
None
lambda
last_activation


Slice Plot on multivariate 100
best
worse
R2 Score
0
−5
−10
−15
−20
0
20
40
60
80
batch_size


Slice Plot on multivariate 100
best
worse
R2 Score
0
−5
−10
−15
−20
0
5
10
15
20
25
30
35
40
n_components

TOP 3

- R2 score: **0.90491187**
    - **seed** : *98*
    - **n_init** : *10*
    - **max_iter** : *30*
    - **n_components** : *7*
    - **gmm_seed** : *62*
    - **init_params_gmm** : *k-means++*
    - **n_layers** : *4*
    - **n_units_l0** : *54*
    - **activation_l0** : *sigmoid*
    - **n_units_l1** : *26*
    - **activation_l1** : *tanh*
    - **n_units_l2** : *24*
    - **activation_l2** : *tanh*
    - **n_units_l3** : *54*
    - **activation_l3** : *relu*
    - **last_activation** : *None*
    - **learning_rate** : *0.00266*
    - **epoch** : *360*
    - **loss** : *mse_loss*
    - **batch_size** : *40*
- R2 score: **0.89503319**
    - **seed** : *100*
    - **n_init** : *30*
    - **max_iter** : *40*
    - **n_components** : *6*
    - **gmm_seed** : *28*
    - **init_params_gmm** : *k-means++*
    - **n_layers** : *4*
    - **n_units_l0** : *26*
    - **activation_l0** : *sigmoid*
    - **n_units_l1** : *28*
    - **activation_l1** : *tanh*
    - **n_units_l2** : *40*
    - **activation_l2** : *tanh*
    - **n_units_l3** : *48*
    - **activation_l3** : *relu*
    - **last_activation** : *None*
    - **learning_rate** : *0.00218*
    - **epoch** : *640*
    - **loss** : *mse_loss*
    - **batch_size** : *44*
- R2 score: **0.88083197**

    - **seed** : *98*
    - **n_init** : *20*
    - **max_iter** : *30*
    - **n_components** : *6*
    - **gmm_seed** : *77*
    - **init_params_gmm** : *k-means++*
    - **n_layers** : *4*
    - **n_units_l0** : *20*
    - **activation_l0** : *sigmoid*
    - **n_units_l1** : *26*
    - **activation_l1** : *tanh*
    - **n_units_l2** : *22*
    - **activation_l2** : *tanh*
    - **n_units_l3** : *64*
    - **activation_l3** : *relu*
    - **last_activation** : *None*
    - **learning_rate** : *0.0027*
    - **epoch** : *380*
    - **loss** : *mse_loss*
    - **batch_size** : *38*

WORST 3

- R2 score: **-19.58370645**

    - **seed** : *98*
    - **n_init** : *10*
    - **max_iter** : *30*
    - **n_components** : *7*
    - **gmm_seed** : *62*
    - **init_params_gmm** : *k-means++*
    - **n_layers** : *4*
    - **n_units_l0** : *54*
    - **activation_l0** : *sigmoid*
    - **n_units_l1** : *26*
    - **activation_l1** : *tanh*
    - **n_units_l2** : *24*
    - **activation_l2** : *tanh*
    - **n_units_l3** : *54*
    - **activation_l3** : *relu*
    - **last_activation** : *None*
    - **learning_rate** : *0.00266*
    - **epoch** : *360*
    - **loss** : *mse_loss*
    - **batch_size** : *40*

- R2 score: **-14.88073881**

    - **seed** : *100*
    - **n_init** : *30*
    - **max_iter** : *40*
    - **n_components** : *6*
    - **gmm_seed** : *28*
    - **init_params_gmm** : *k-means++*
    - **n_layers** : *4*
    - **n_units_l0** : *26*
    - **activation_l0** : *sigmoid*
    - **n_units_l1** : *28*
    - **activation_l1** : *tanh*
    - **n_units_l2** : *40*
    - **activation_l2** : *tanh*
    - **n_units_l3** : *48*
    - **activation_l3** : *relu*
    - **last_activation** : *None*
    - **learning_rate** : *0.00218*
    - **epoch** : *640*
    - **loss** : *mse_loss*
    - **batch_size** : *44*

- R2 score: **-13.05703604**

    - **seed** : *98*
    - **n_init** : *20*
    - **max_iter** : *30*
    - **n_components** : *6*
    - **gmm_seed** : *77*
    - **init_params_gmm** : *k-means++*
    - **n_layers** : *4*
    - **n_units_l0** : *20*
    - **activation_l0** : *sigmoid*
    - **n_units_l1** : *26*
    - **activation_l1** : *tanh*
    - **n_units_l2** : *22*
    - **activation_l2** : *tanh*
    - **n_units_l3** : *64*
    - **activation_l3** : *relu*
    - **last_activation** : *None*
    - **learning_rate** : *0.0027*
    - **epoch** : *380*
    - **loss** : *mse_loss*
    - **batch_size** : *38*