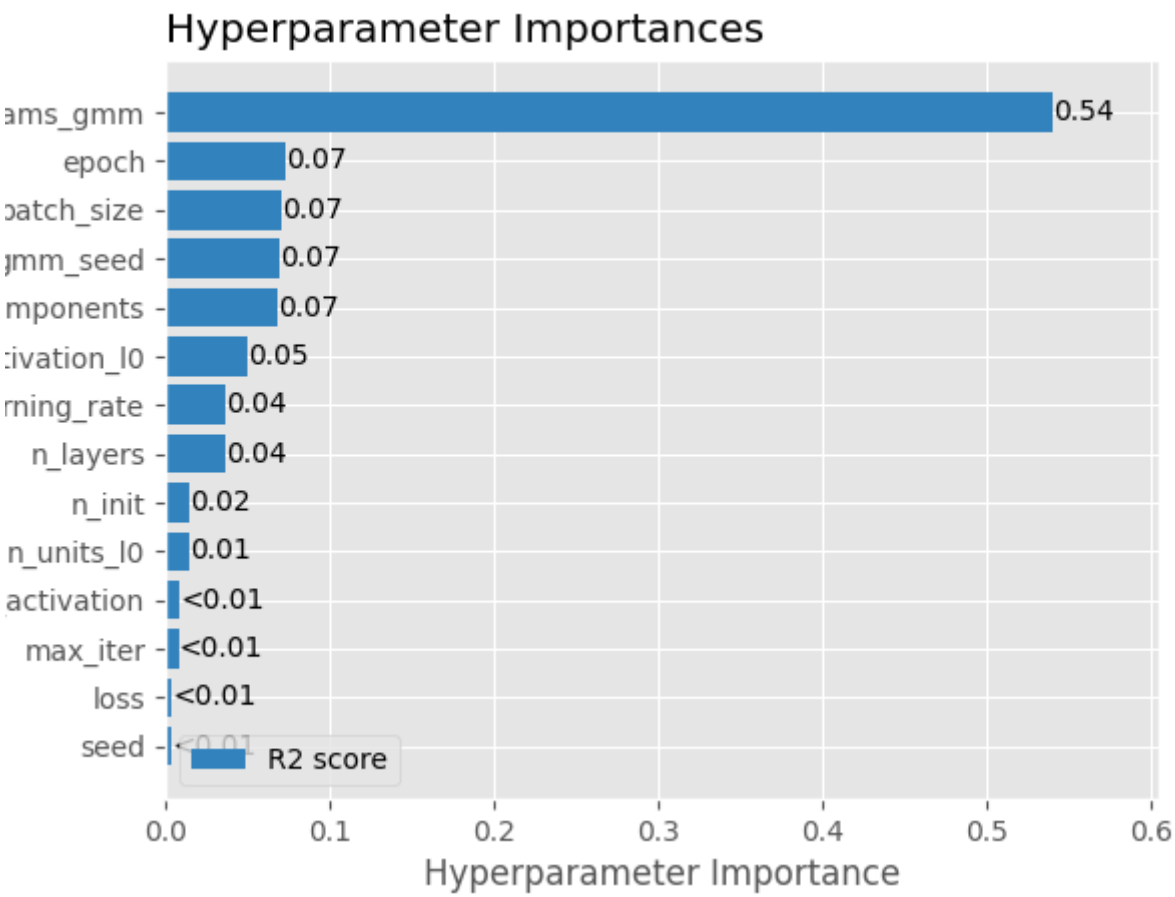
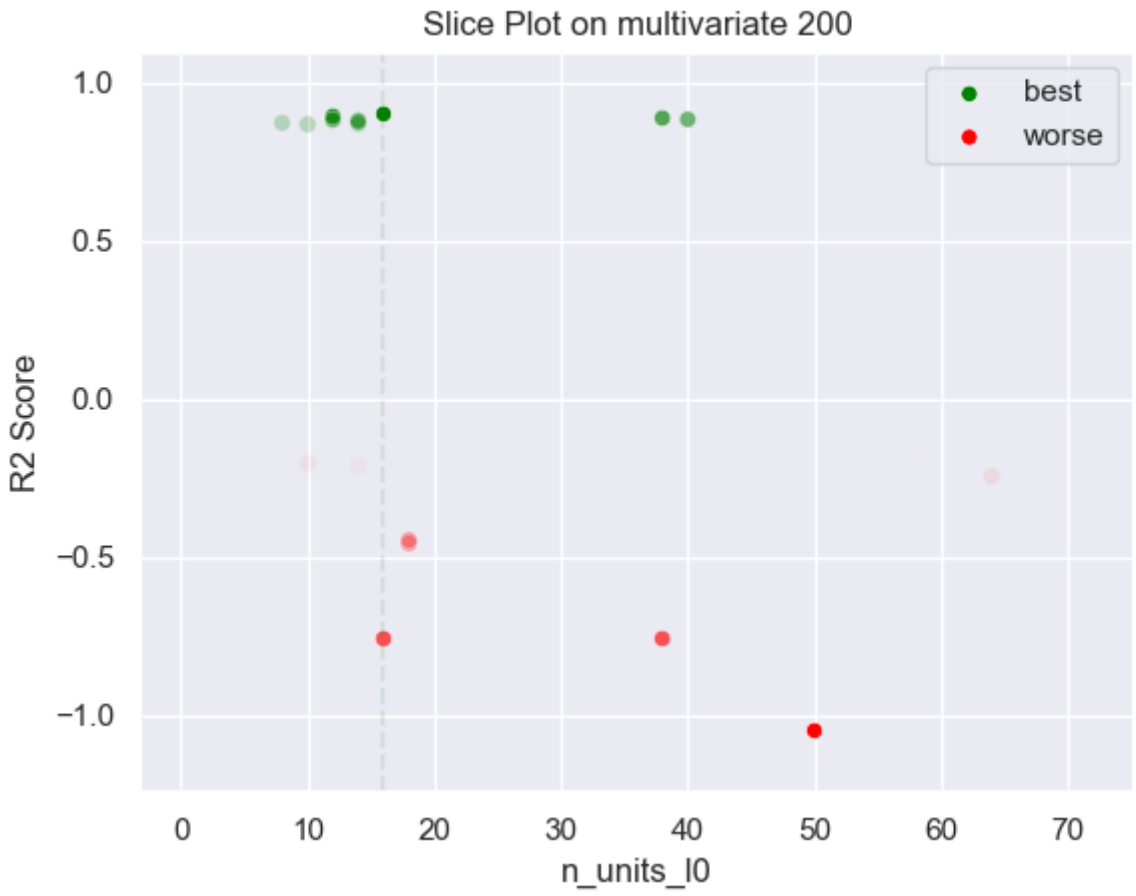
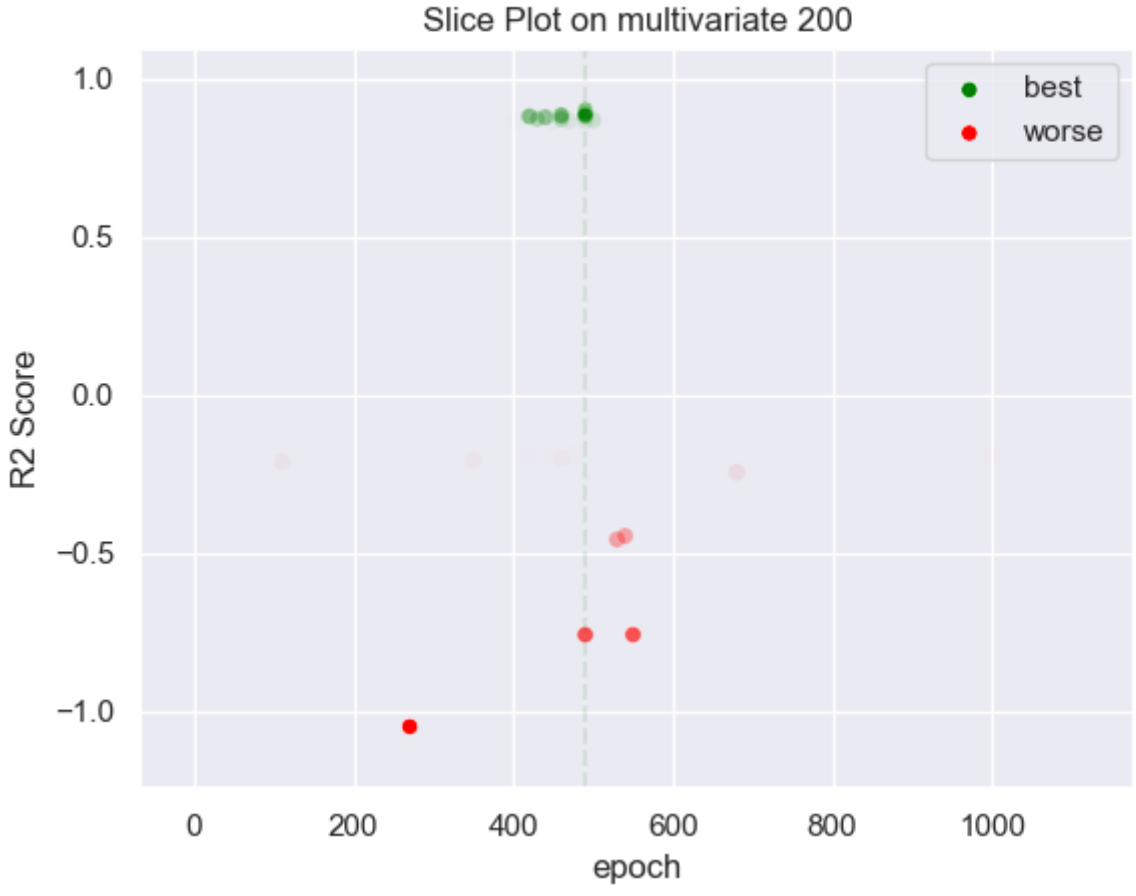
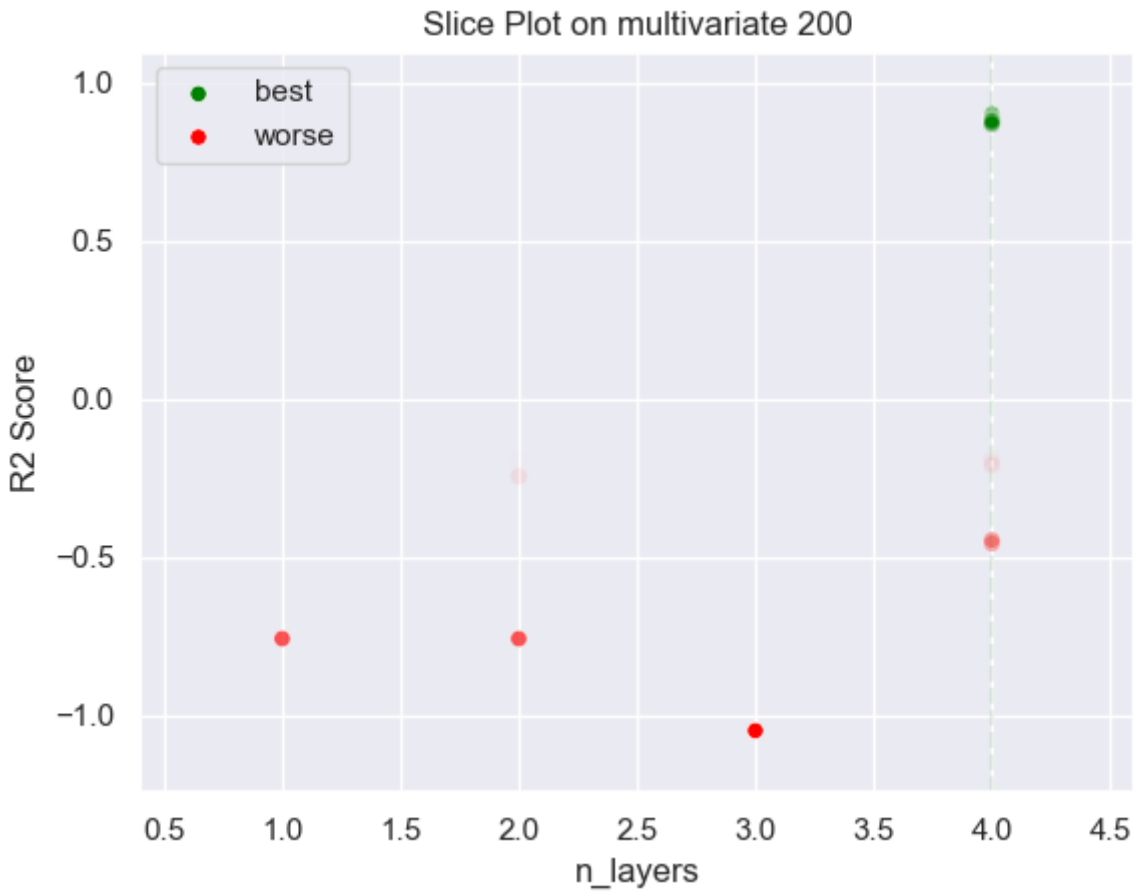
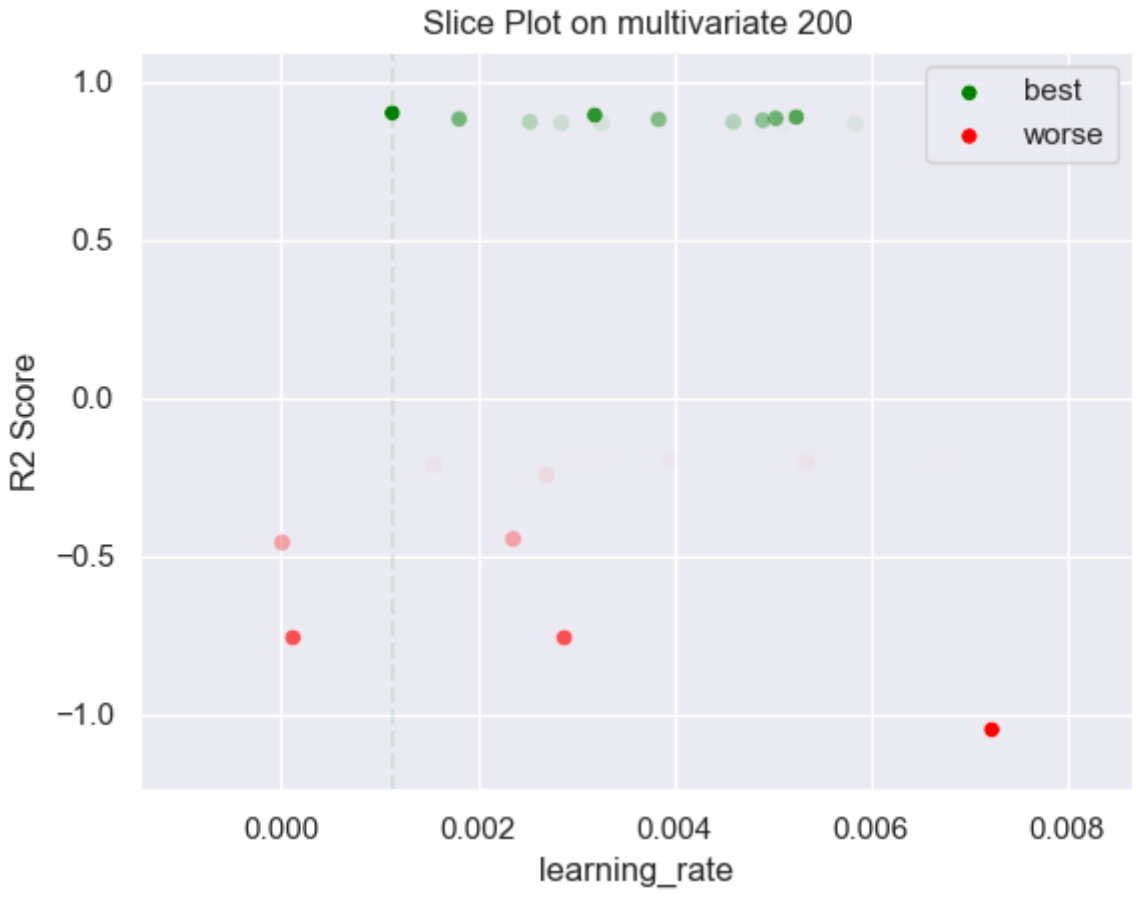
MLP GMM 200 multivariate

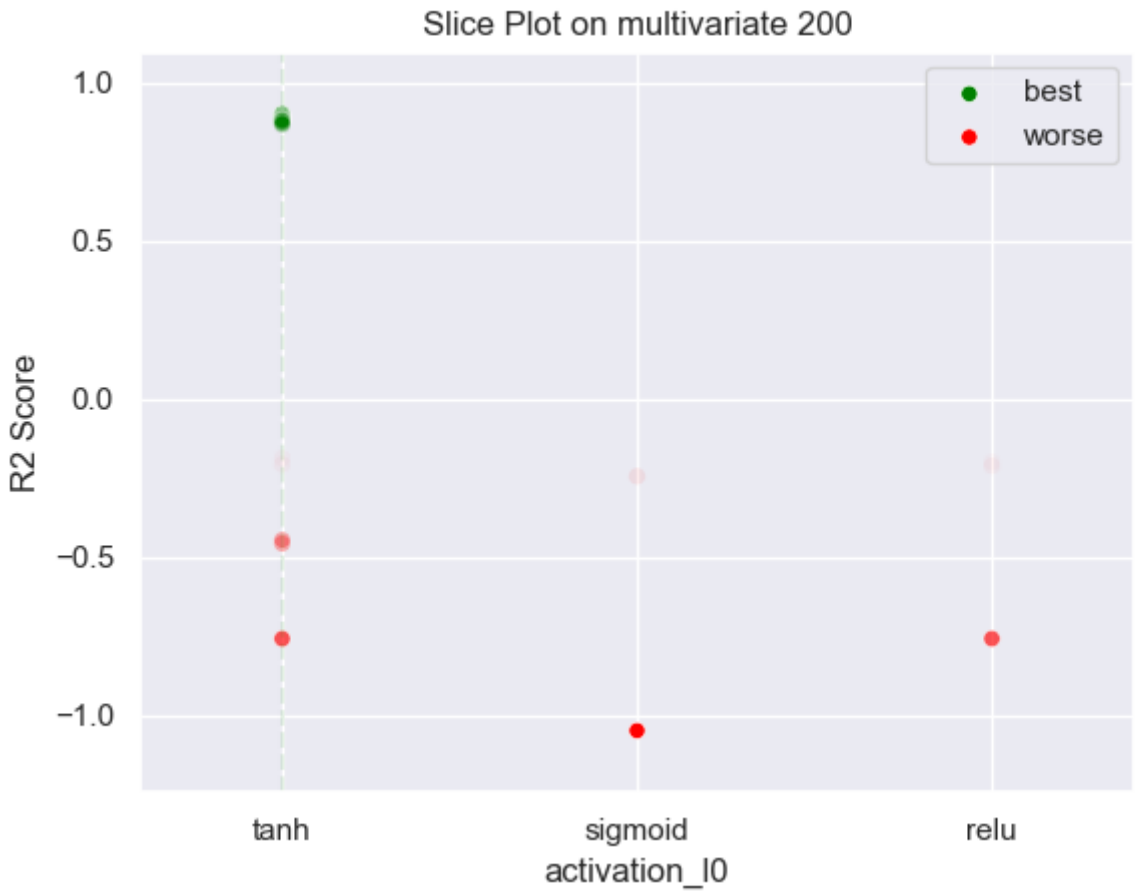


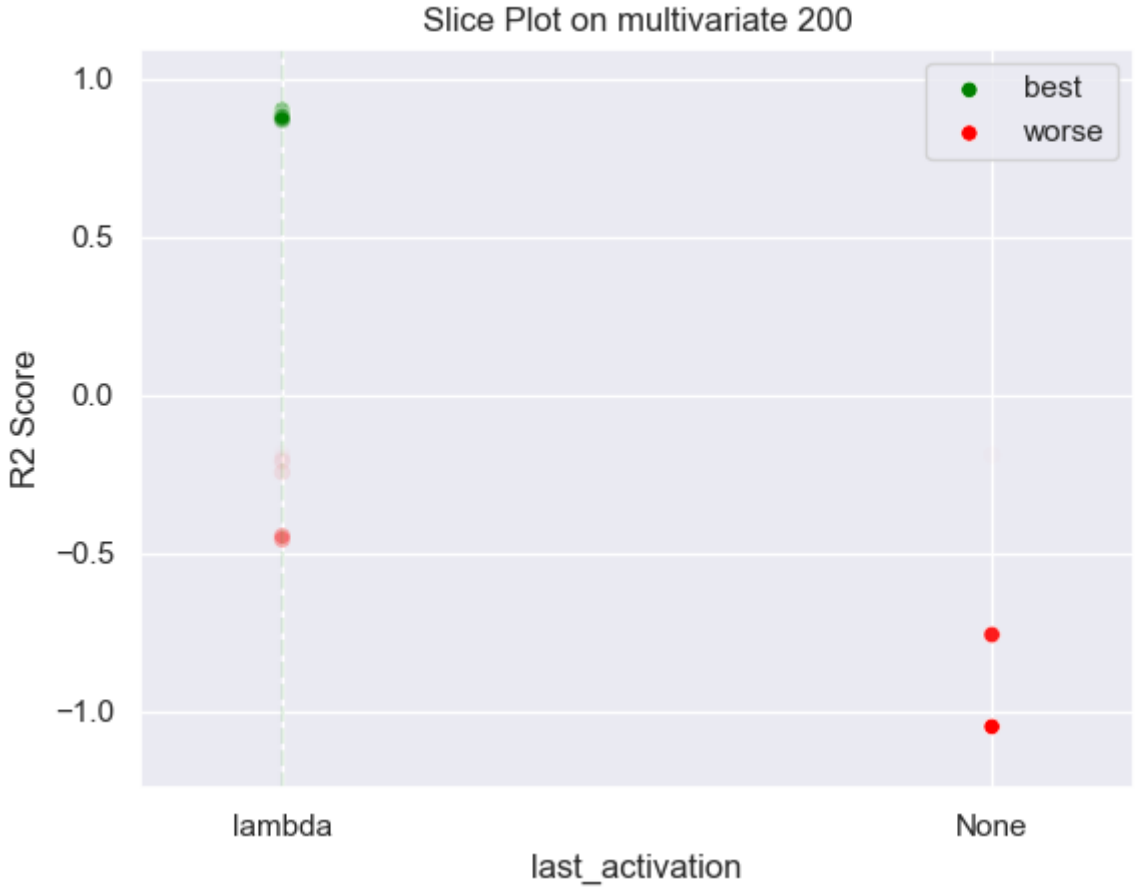

Slice Plot on multivariate 200
best
worse
R2 Score
1.0
0.5
0.0
−0.5
−1.0
0
10
20
30
40
50
60
70
n_units_l0

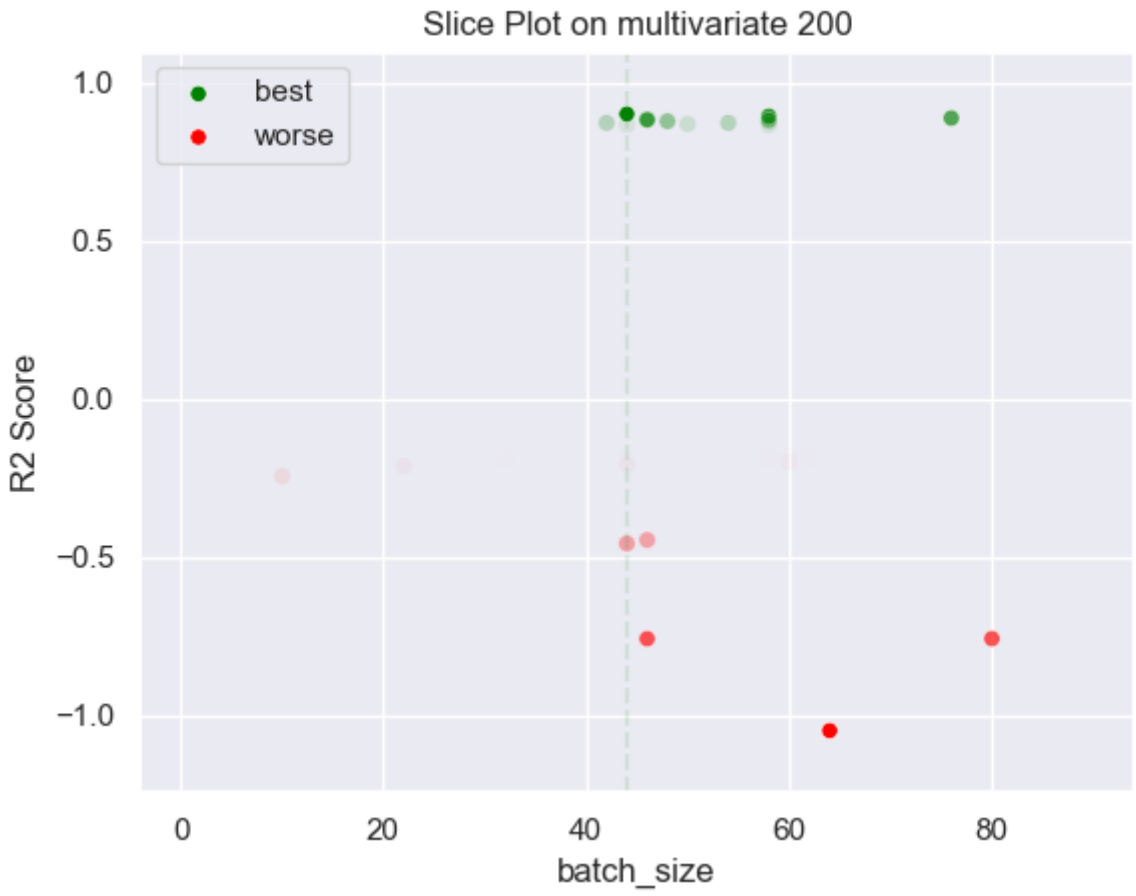

Slice Plot on multivariate 200
best
worse
R2 Score
1.0
0.5
0.0
−0.5
−1.0
0
200
400
600
800
1000
epoch

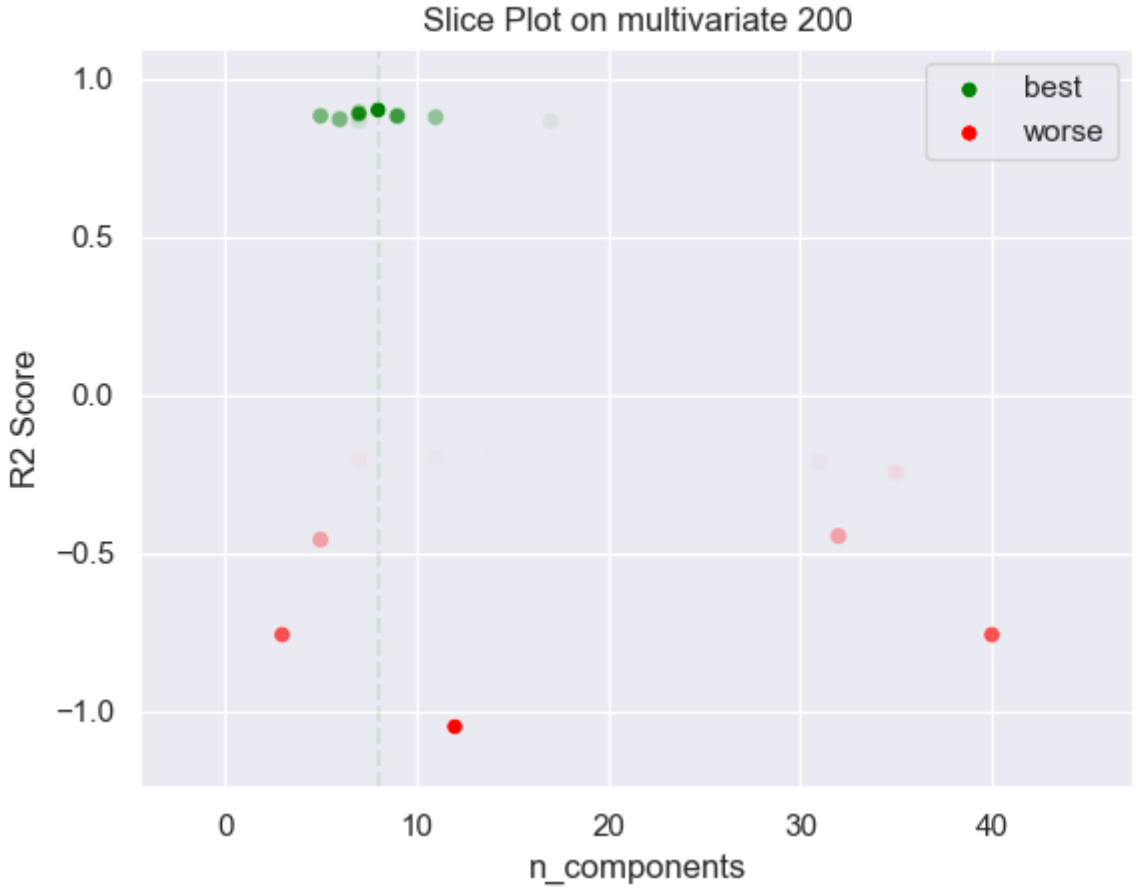

Slice Plot on multivariate 200
best
worse
R2 Score
1.0
0.5
0.0
−0.5
−1.0
0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0
4.5
n_layers


Slice Plot on multivariate 200
best
worse
R2 Score
1.0
0.5
0.0
−0.5
−1.0
0.000
0.002
0.004
0.006
0.008
learning_rate


Slice Plot on multivariate 200
best
worse
1.0
0.5
0.0
−0.5
−1.0
R2 Score
tanh
sigmoid
relu
activation_l0


Slice Plot on multivariate 200
best
worse
1.0
0.5
0.0
−0.5
−1.0
R2 Score
lambda
None
last_activation


Slice Plot on multivariate 200
best
worse
R2 Score
1.0
0.5
0.0
−0.5
−1.0
0
20
40
60
80
batch_size


Slice Plot on multivariate 200
best
worse
R2 Score
1.0
0.5
0.0
−0.5
−1.0
0
10
20
30
40
n_components

TOP 3

- R2 score: **0.89964418**
    - **seed** : *74*
    - **n_init** : *100*
    - **max_iter** : *80*
    - **n_components** : *8*
    - **gmm_seed** : *76*
    - **init_params_gmm** : *random_from_data*
    - **n_layers** : *4*
    - **n_units_l0** : *16*
    - **activation_l0** : *tanh*
    - **n_units_l1** : *40*
    - **activation_l1** : *tanh*
    - **n_units_l2** : *54*
    - **activation_l2** : *relu*
    - **n_units_l3** : *12*
    - **activation_l3** : *tanh*
    - **last_activation** : *lambda*
    - **learning_rate** : *0.0011300000000000001*
    - **epoch** : *490*
    - **loss** : *huber_loss*
    - **batch_size** : *44*
- R2 score: **0.89292695**
    - **seed** : *84*
    - **n_init** : *80*
    - **max_iter** : *20*
    - **n_components** : *7*
    - **gmm_seed** : *2*
    - **init_params_gmm** : *random_from_data*
    - **n_layers** : *4*
    - **n_units_l0** : *12*
    - **activation_l0** : *tanh*
    - **n_units_l1** : *40*
    - **activation_l1** : *tanh*
    - **n_units_l2** : *60*
    - **activation_l2** : *tanh*
    - **n_units_l3** : *14*
    - **activation_l3** : *tanh*
    - **last_activation** : *lambda*
    - **learning_rate** : *0.00319*
    - **epoch** : *490*
    - **loss** : *huber_loss*
    - **batch_size** : *58*
- R2 score: **0.88676263**

    - **seed** : *82*
    - **n_init** : *90*
    - **max_iter** : *20*
    - **n_components** : *7*
    - **gmm_seed** : *2*
    - **init_params_gmm** : *random_from_data*
    - **n_layers** : *4*
    - **n_units_l0** : *38*
    - **activation_l0** : *tanh*
    - **n_units_l1** : *38*
    - **activation_l1** : *tanh*
    - **n_units_l2** : *54*
    - **activation_l2** : *tanh*
    - **n_units_l3** : *20*
    - **activation_l3** : *relu*
    - **last_activation** : *lambda*
    - **learning_rate** : *0.00524*
    - **epoch** : *490*
    - **loss** : *huber_loss*
    - **batch_size** : *76*

WORST 3

- R2 score: **-1.04887012**

    - **seed** : *74*
    - **n_init** : *100*
    - **max_iter** : *80*
    - **n_components** : *8*
    - **gmm_seed** : *76*
    - **init_params_gmm** : *random_from_data*
    - **n_layers** : *4*
    - **n_units_l0** : *16*
    - **activation_l0** : *tanh*
    - **n_units_l1** : *40*
    - **activation_l1** : *tanh*
    - **n_units_l2** : *54*
    - **activation_l2** : *relu*
    - **n_units_l3** : *12*
    - **activation_l3** : *tanh*
    - **last_activation** : *lambda*
    - **learning_rate** : *0.0011300000000000001*
    - **epoch** : *490*
    - **loss** : *huber_loss*
    - **batch_size** : *44*

- R2 score: **-0.75852225**

    - **seed** : *84*
    - **n_init** : *80*
    - **max_iter** : *20*
    - **n_components** : *7*
    - **gmm_seed** : *2*
    - **init_params_gmm** : *random_from_data*
    - **n_layers** : *4*
    - **n_units_l0** : *12*
    - **activation_l0** : *tanh*
    - **n_units_l1** : *40*
    - **activation_l1** : *tanh*
    - **n_units_l2** : *60*
    - **activation_l2** : *tanh*
    - **n_units_l3** : *14*
    - **activation_l3** : *tanh*
    - **last_activation** : *lambda*
    - **learning_rate** : *0.00319*
    - **epoch** : *490*
    - **loss** : *huber_loss*
    - **batch_size** : *58*

- R2 score: **-0.75825041**

    - **seed** : *82*
    - **n_init** : *90*
    - **max_iter** : *20*
    - **n_components** : *7*
    - **gmm_seed** : *2*
    - **init_params_gmm** : *random_from_data*
    - **n_layers** : *4*
    - **n_units_l0** : *38*
    - **activation_l0** : *tanh*
    - **n_units_l1** : *38*
    - **activation_l1** : *tanh*
    - **n_units_l2** : *54*
    - **activation_l2** : *tanh*
    - **n_units_l3** : *20*
    - **activation_l3** : *relu*
    - **last_activation** : *lambda*
    - **learning_rate** : *0.00524*
    - **epoch** : *490*
    - **loss** : *huber_loss*
    - **batch_size** : *76*