MLP GMM 100 multivariate

Hyperparameter Importances

Slice Plot on multivariate 100

Slice Plot on multivariate 100

Slice Plot on multivariate 100

Slice Plot on multivariate 100

Slice Plot on multivariate 100

Slice Plot on multivariate 100

Slice Plot on multivariate 100

Slice Plot on multivariate 100

TOP 3
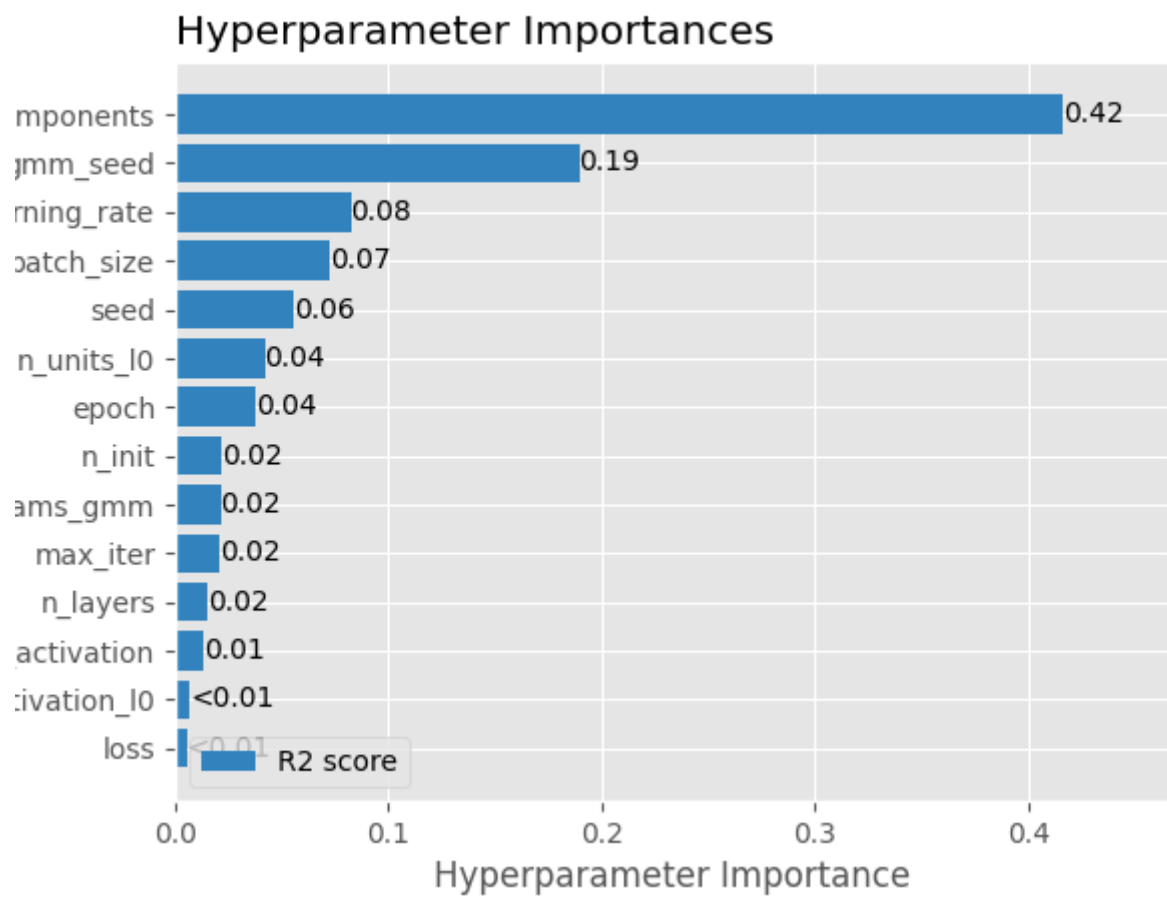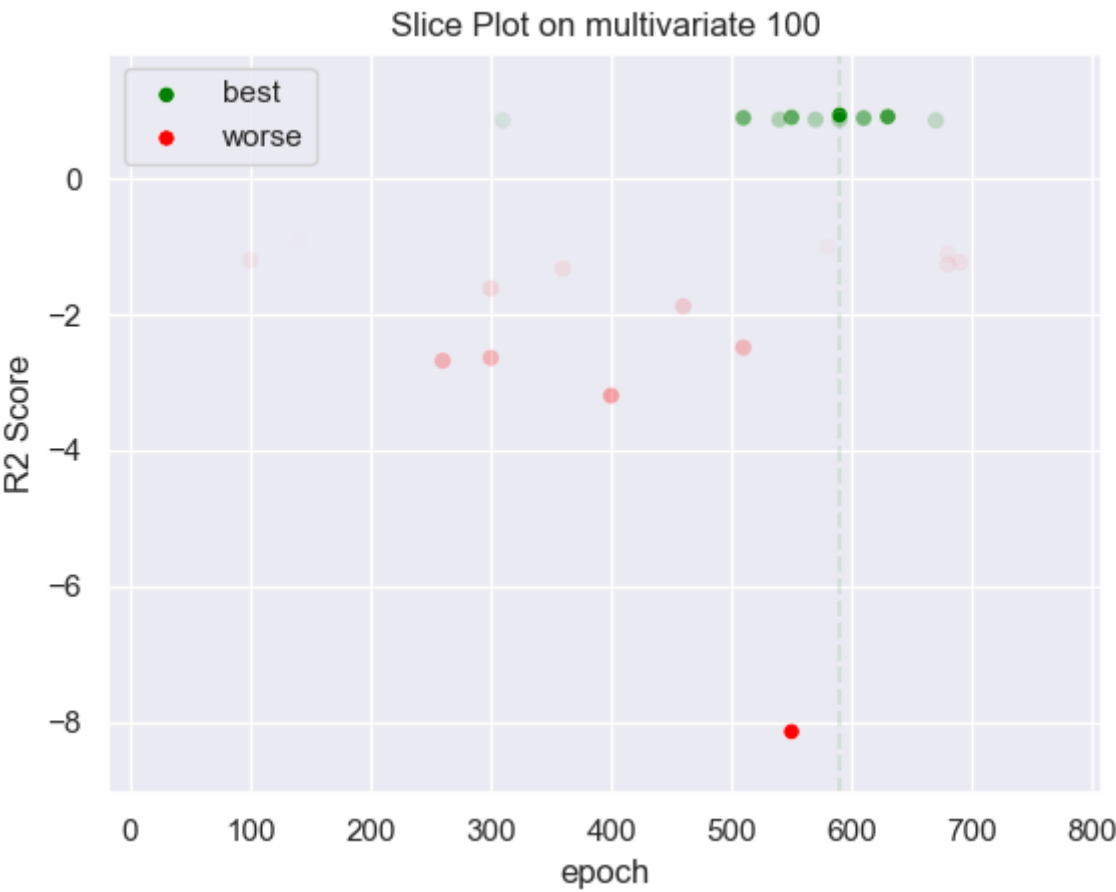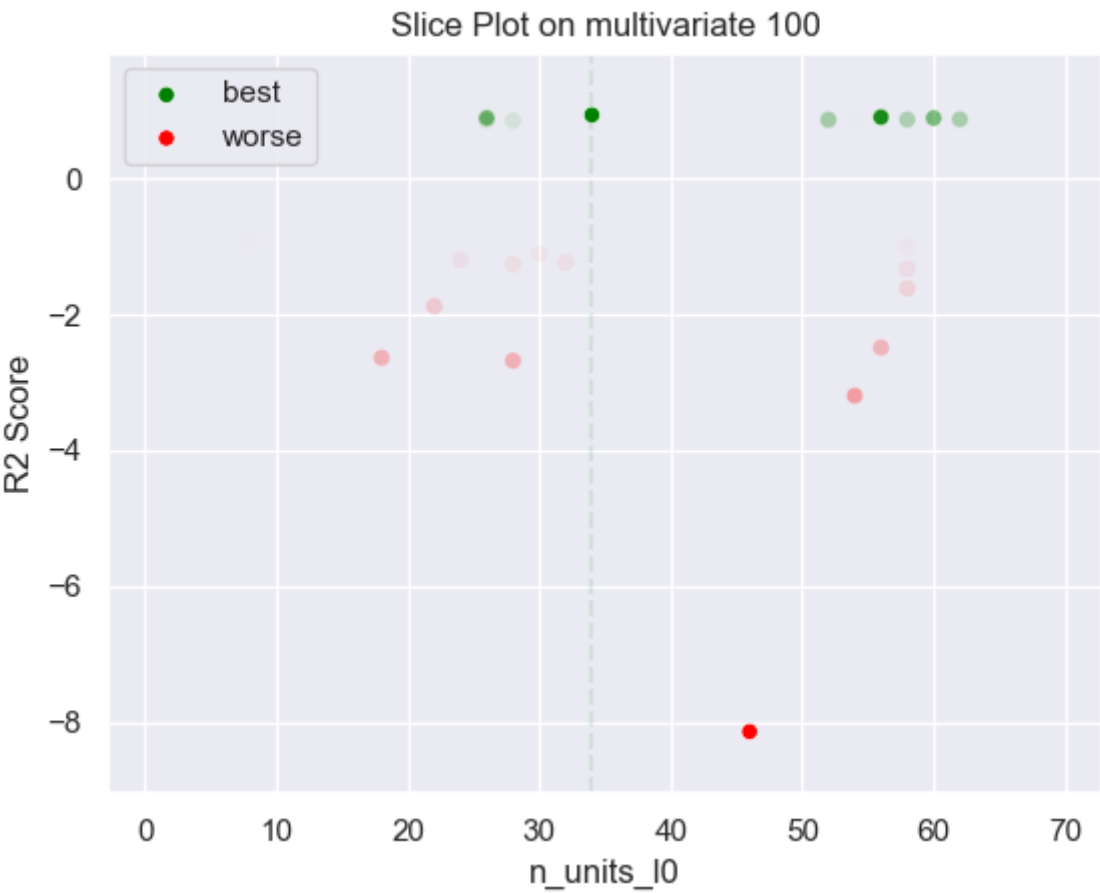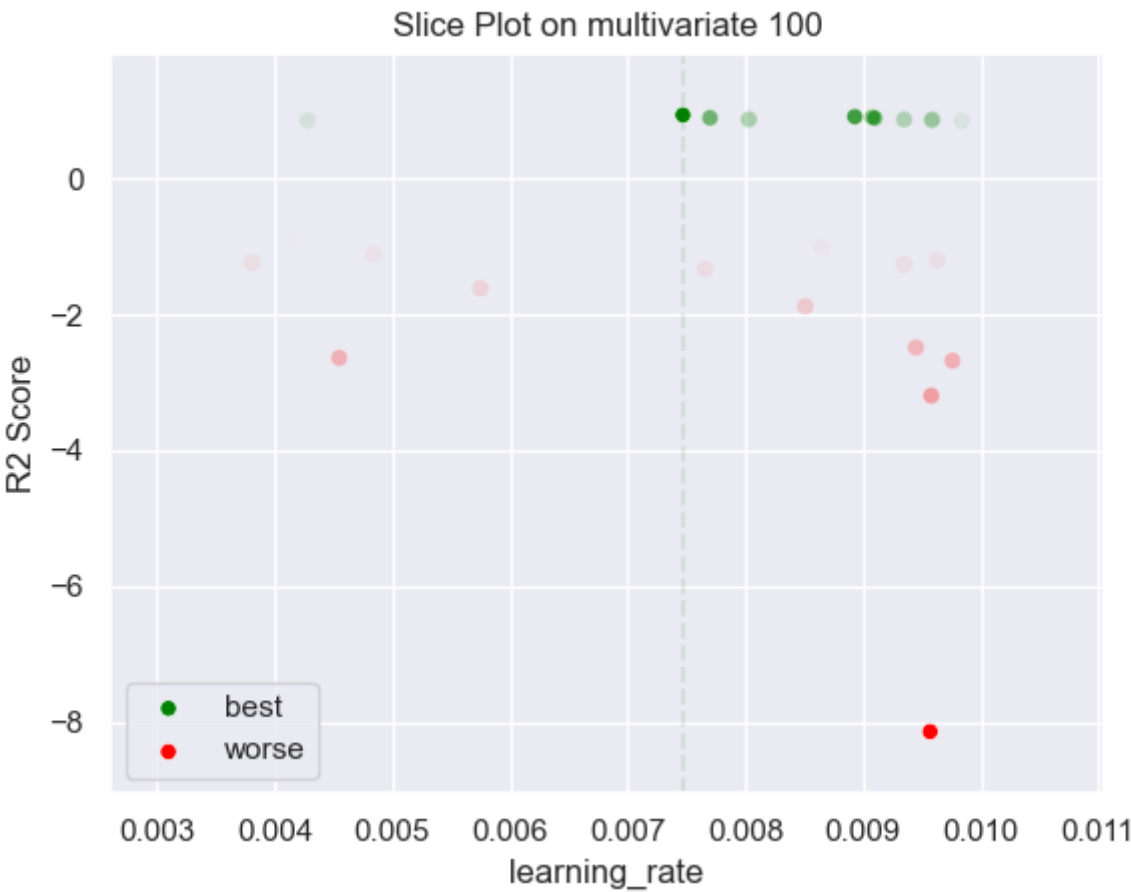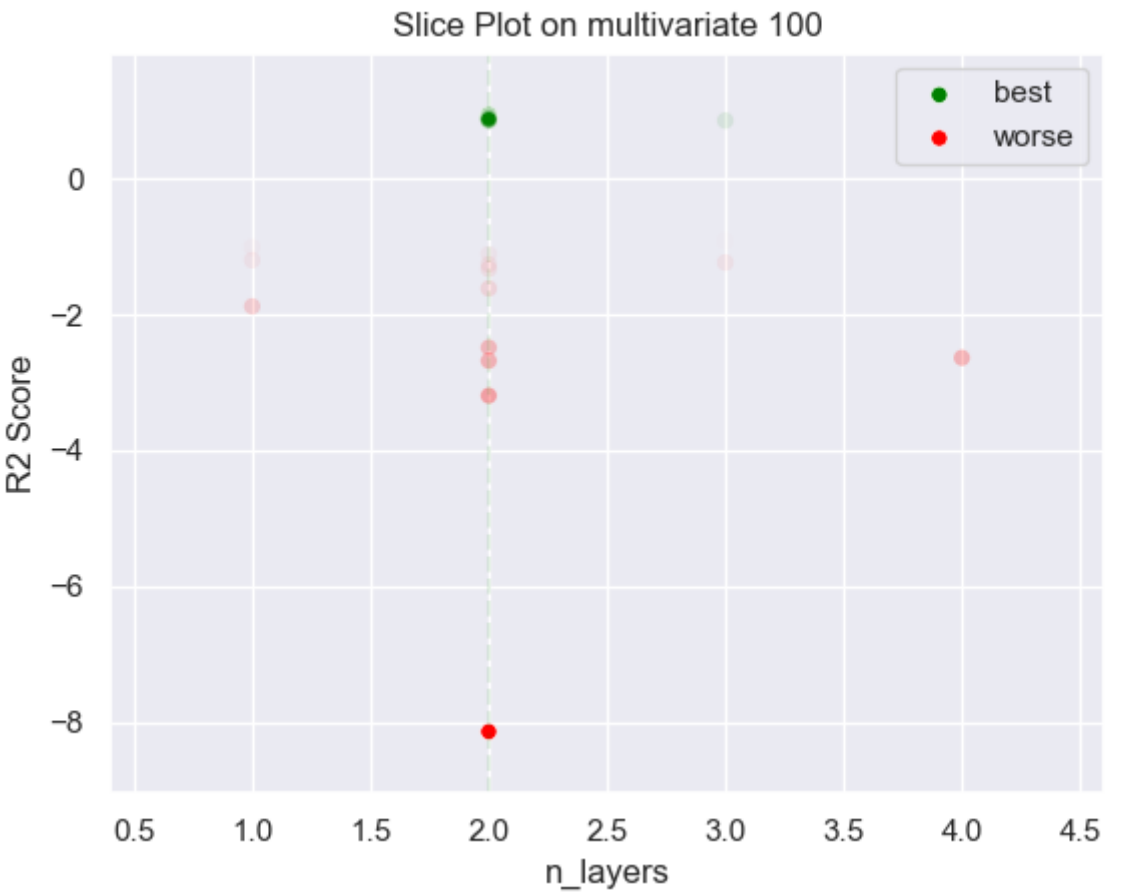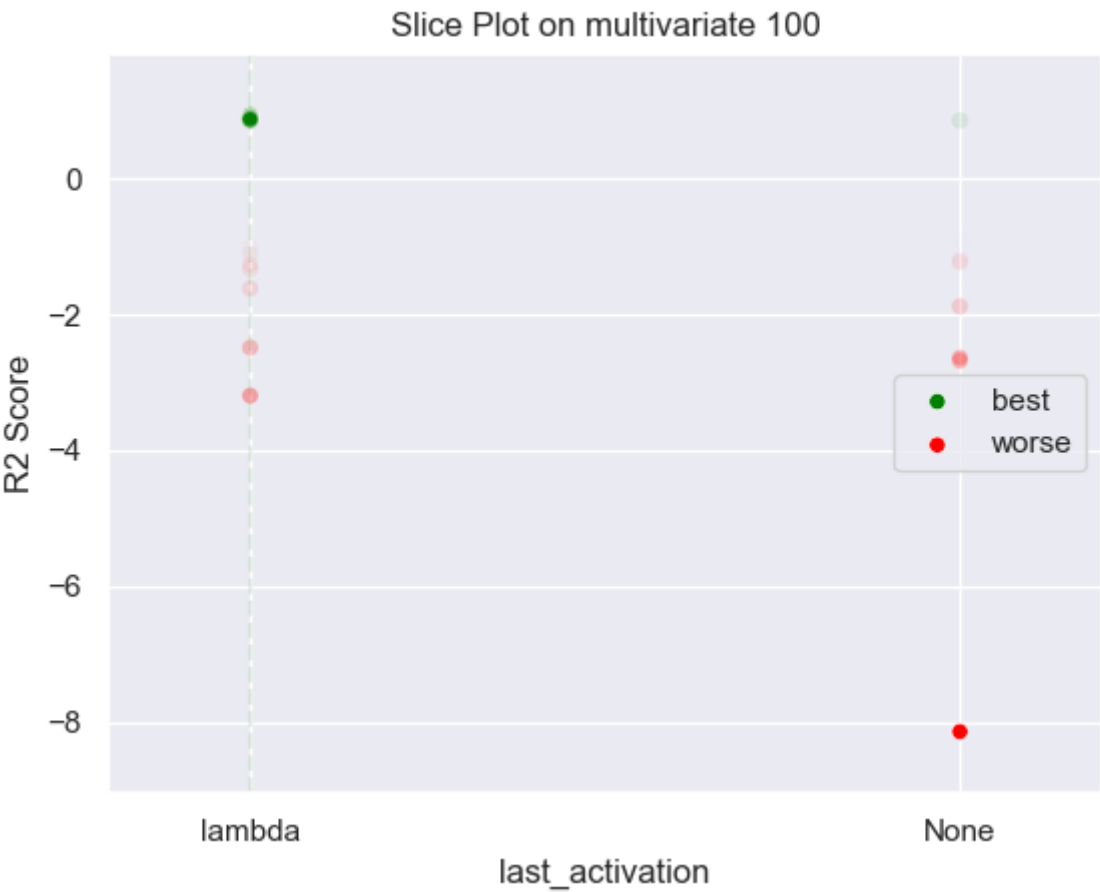
- R2 score: **0.94151184**

  - **seed** : *53*
  - **n_init** : *90*
  - **max_iter** : *10*
  - **n_components** : *8*
  - **gmm_seed** : *91*
  - **init_params_gmm** : *kmeans*
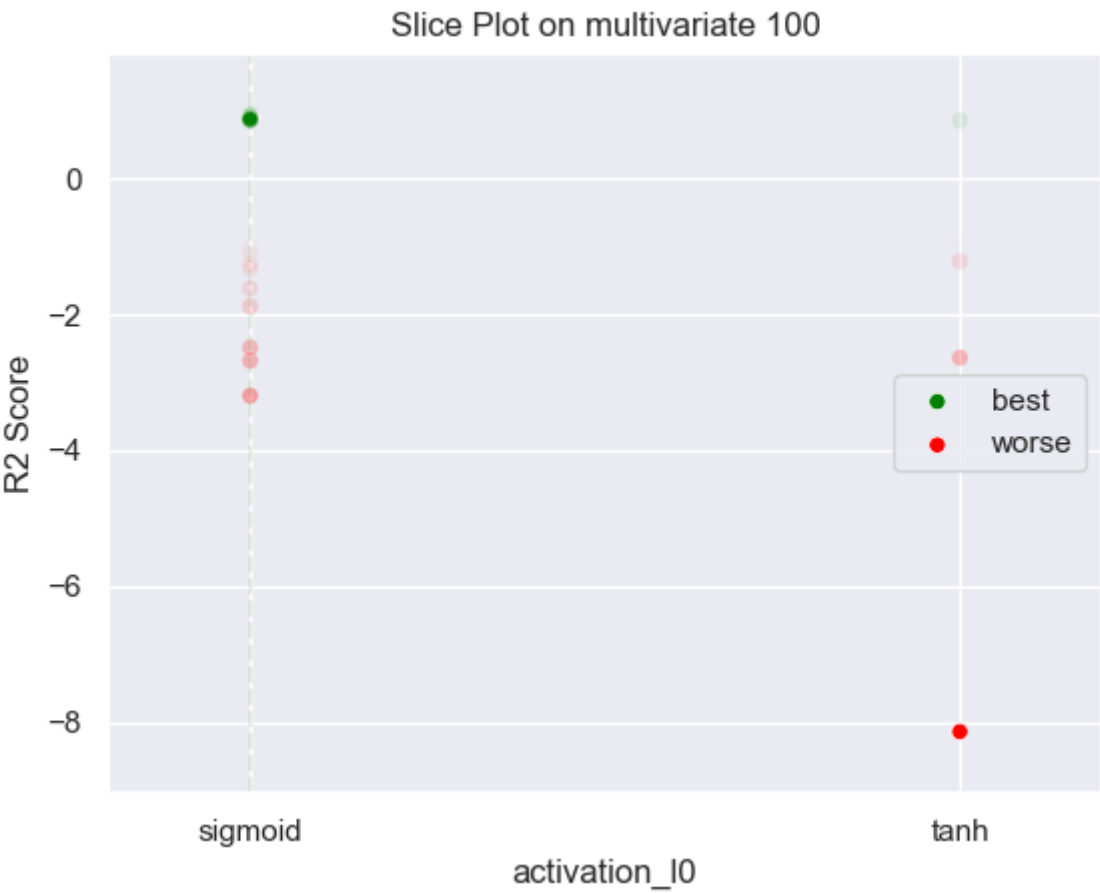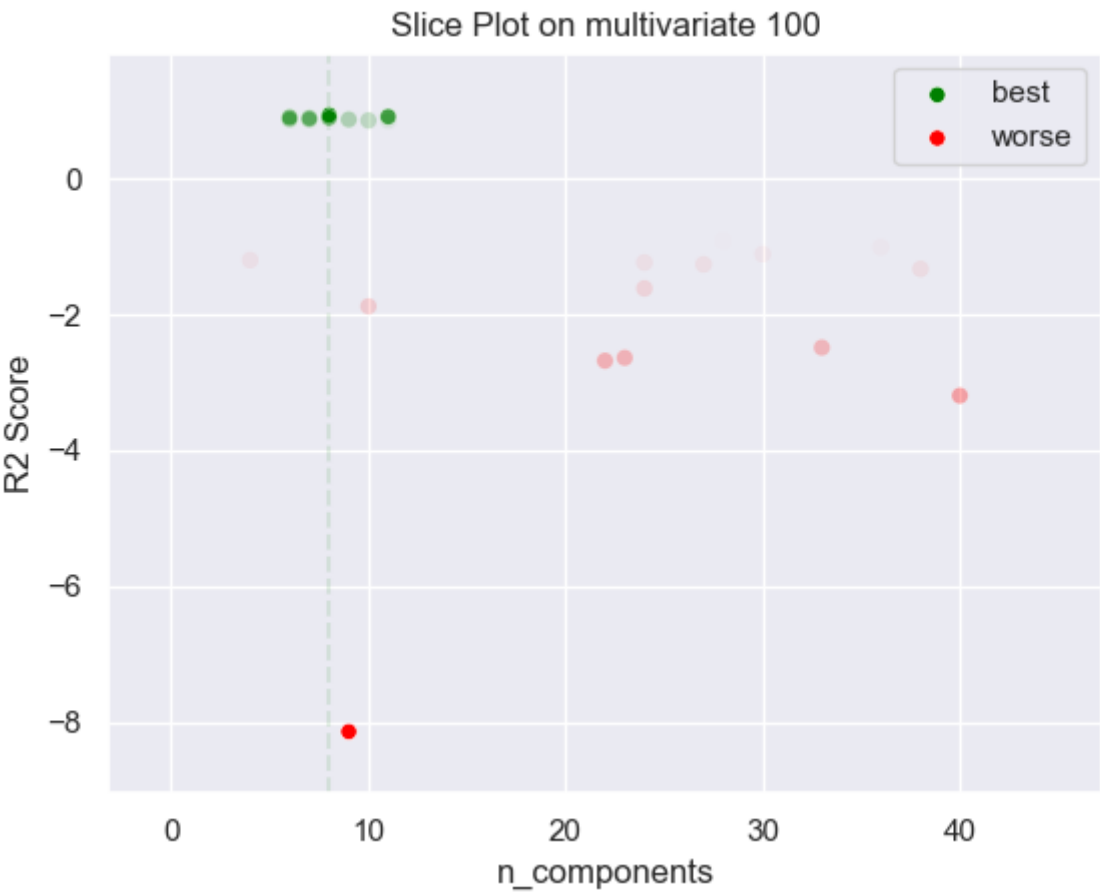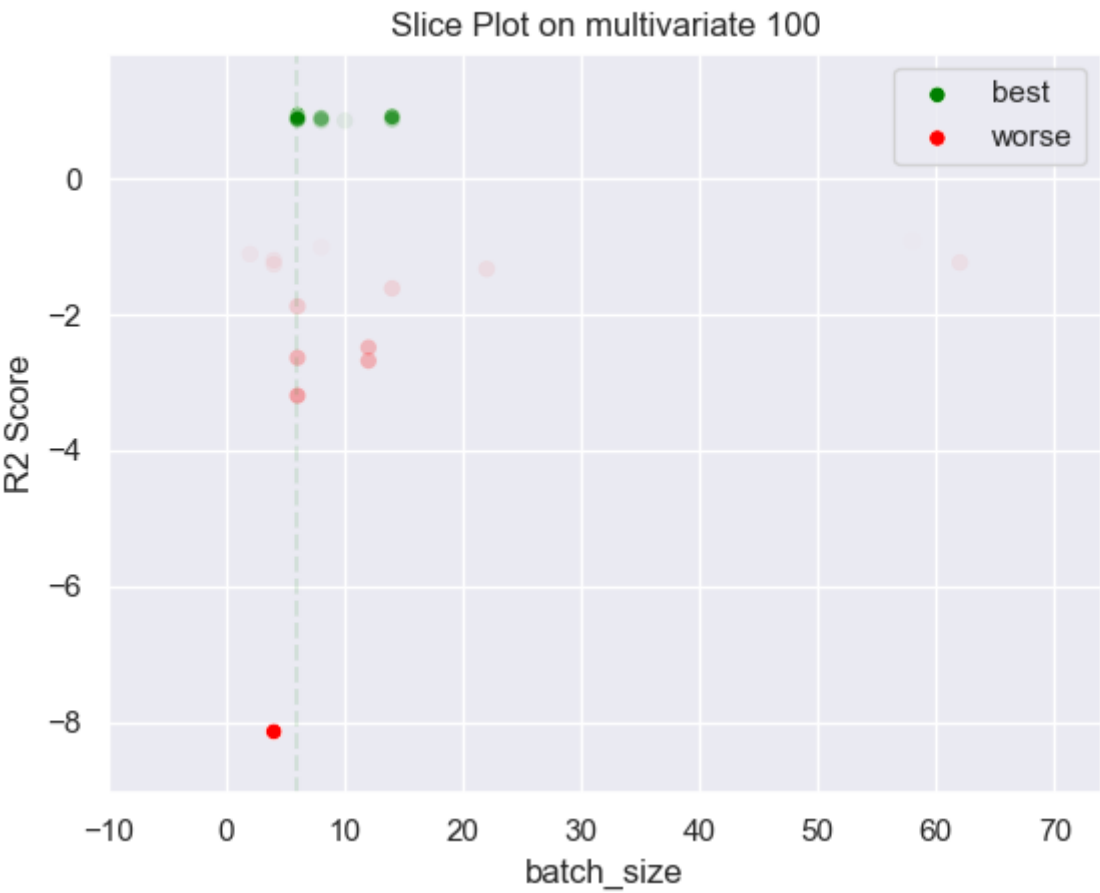 - **n_layers** : *2*
  - **n_units_l0** : *34*
  - **activation_l0** : *sigmoid*
  - **n_units_l1** : *22*
  - **activation_l1** : *tanh*
  - **last_activation** : *lambda*
  - **learning_rate** : *0.00747*
  - **epoch** : *590*
  - **loss** : *huber_loss*
  - **batch_size** : *6*

- R2 score: **0.91679047**

  - **seed** : *60*
  - **n_init** : *100*
  - **max_iter** : *10*
  - **n_components** : *11*
  - **gmm_seed** : *8*
  - **init_params_gmm** : *kmeans*
  - **n_layers** : *2*
  - **n_units_l0** : *56*
  - **activation_l0** : *sigmoid*
  - **n_units_l1** : *32*
  - **activation_l1** : *tanh*
  - **last_activation** : *lambda*
  - **learning_rate** : *0.00893*
  - **epoch** : *630*
  - **loss** : *huber_loss*
  - **batch_size** : *14*

- R2 score: **0.90610548**

  - **seed** : *55*
  - **n_init** : *100*
  - **max_iter** : *10*
  - **n_components** : *6*
  - **gmm_seed** : *11*
  - **init_params_gmm** : *kmeans*
  - **n_layers** : *2*
  - **n_units_l0** : *56*

- **activation_l0** : *sigmoid*
- **n_units_l1** : *22*
- **activation_l1** : *tanh*
- **last_activation** : *lambda*
- **learning_rate** : *0.00908*
- **epoch** : *550*
- **loss** : *huber_loss*
- **batch_size** : *6*

WORST 3

- R2 score: **-8.14258958**

  - **seed** : *53*
  - **n_init** : *90*
  - **max_iter** : *10*
  - **n_components** : *8*
  - **gmm_seed** : *91*
  - **init_params_gmm** : *kmeans*
  - **n_layers** : *2*
  - **n_units_l0** : *34*
  - **activation_l0** : *sigmoid*
  - **n_units_l1** : *22*
  - **activation_l1** : *tanh*
  - **last_activation** : *lambda*
  - **learning_rate** : *0.00747*
  - **epoch** : *590*
  - **loss** : *huber_loss*
  - **batch_size** : *6*

- R2 score: **-3.1932546**

  - **seed** : *60*
  - **n_init** : *100*
  - **max_iter** : *10*
  - **n_components** : *11*
  - **gmm_seed** : *8*
  - **init_params_gmm** : *kmeans*
  - **n_layers** : *2*
  - **n_units_l0** : *56*
  - **activation_l0** : *sigmoid*
  - **n_units_l1** : *32*
  - **activation_l1** : *tanh*
  - **last_activation** : *lambda*
  - **learning_rate** : *0.00893*
  - **epoch** : *630*
  - **loss** : *huber_loss*
  - **batch_size** : *14*

- R2 score: **-2.67845615**

    - **seed** : *55*
    - **n_init** : *100*
    - **max_iter** : *10*
    - **n_components** : *6*
    - **gmm_seed** : *11*
    - **init_params_gmm** : *kmeans*
    - **n_layers** : *2*
    - **n_units_l0** : *56*
    - **activation_l0** : *sigmoid*
    - **n_units_l1** : *22*
    - **activation_l1** : *tanh*
    - **last_activation** : *lambda*
    - **learning_rate** : *0.00908*
    - **epoch** : *550*
    - **loss** : *huber_loss*
    - **batch_size** : *6*

    - **seed** : *55*
    - **n_init** : *100*
    - **max_iter** : *10*
    - **n_components** : *6*