

- Runtime environment

1) cloud

2) version:

numpy version 1.21.5

sklearn version 1.0.2

matplotlib version 3.2.2

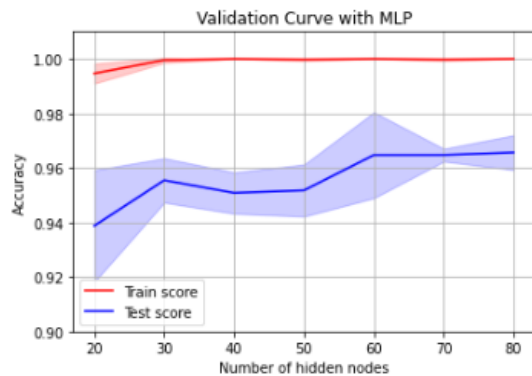
python version 3.7.13 (default, Mar 16 2022, 17:37:17)

[GCC 7.5.0]

```
numpy version 1.21.5
sklearn version 1.0.2
matplotlib version 3.2.2
python version 3.7.13 (default, Mar 16 2022, 17:37:17)
[GCC 7.5.0]
```

- Result:

하이퍼 매개변수 최적화에 걸린 시간은 18.031358242034912 초입니다.



최적의 은닉층의 노드 개수는 80 개입니다.

```
[[65.  0.  0.  0.  0.  0.  0.  0.  0.  0.]
 [ 0. 72.  0.  0.  0.  0.  0.  0.  3.  0.]
 [ 0.  0. 72.  1.  0.  0.  0.  0.  0.  0.]
 [ 0.  0.  0. 73.  0.  0.  0.  1.  1.  1.]
 [ 0.  0.  0.  0. 75.  0.  1.  0.  0.  0.]
 [ 0.  0.  0.  2.  0. 72.  0.  0.  1.  3.]
 [ 0.  0.  0.  0.  0.  1. 70.  0.  0.  0.]
 [ 0.  0.  0.  0.  0.  1.  0. 68.  0.  0.]
 [ 0.  1.  0.  0.  0.  0.  0.  1. 67.  0.]
 [ 0.  0.  0.  0.  0.  3.  0.  1.  0. 63.]]
```

테스트 집합에 대한 정확률은 96.94019471488178 %입니다.

