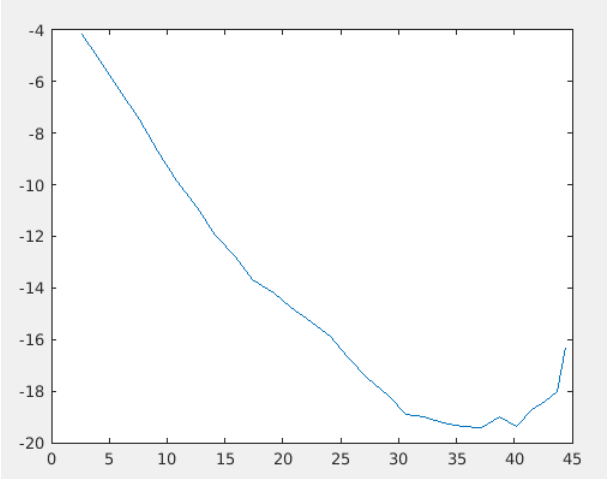
light_data_2.28/mix_amp/：混合 snr 数据作为训练数据，且数据归一化：

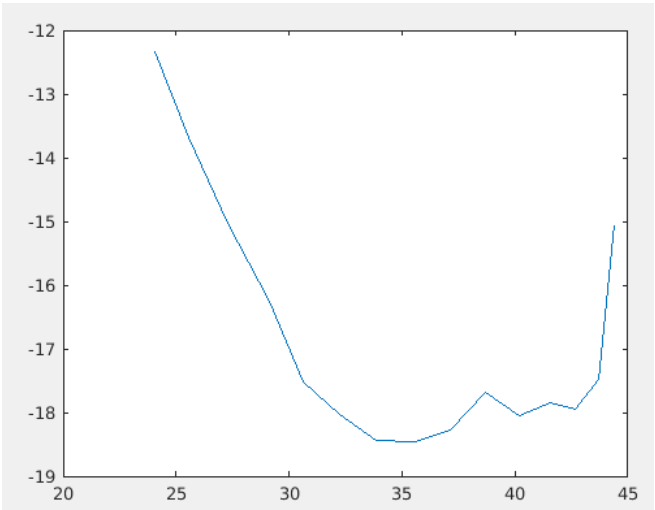
1. mix_amp/Twononlinear8（Hidden Units=25）

```
twononlinear ,
ini learningRate = 1.000000e-02 ,
min batch size = 400 ,
DropPeriod = 5 ,
DropFactor = 0.100000 ,
amp begin = -4 , amp end = 50 , amp step = 2
data_num = 100
validationFrequency has changed from floor(size(xTrain{1},2)/miniBatchSize) to floor(size(xTrain{1},2)/100)
```



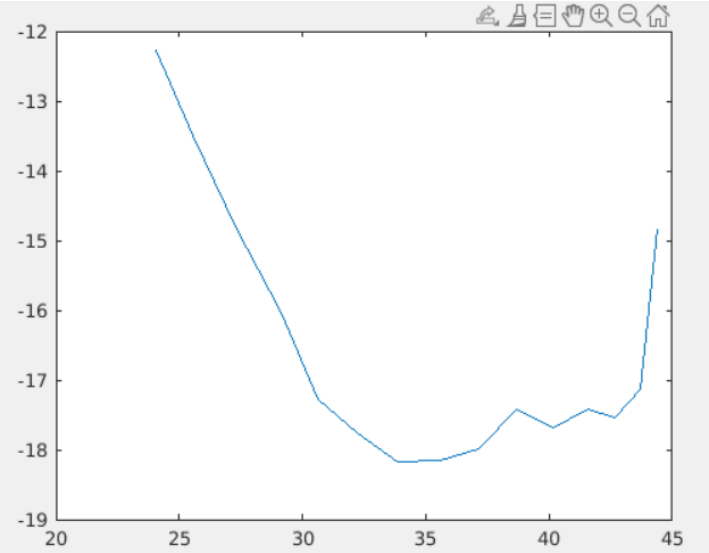
2. mix_amp/Twononlinear9

```
twononlinear ,
ini learningRate = 1.000000e-02 ,
min batch size = 400 ,
DropPeriod = 5 ,
DropFactor = 0.100000 ,
amp begin = 22 , amp end = 50 , amp step = 2
data_num = 100
validationFrequency has changed from floor(size(xTrain{1},2)/miniBatchSize) to floor(size(xTrain{1},2)/100)
Hidden Units = 25
```



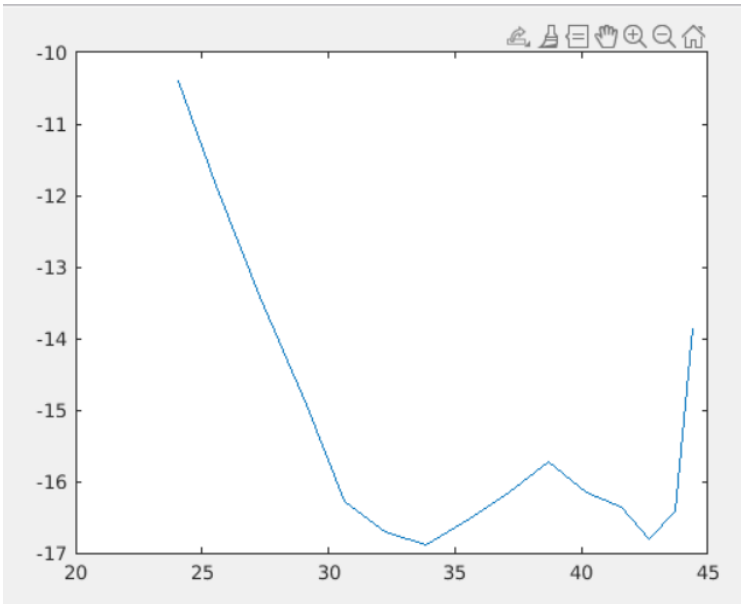
3. mix_amp/Twononlinear10

```
twononlinear ,
ini learningRate = 1.000000e-02 ,
min batch size = 400 ,
DropPeriod = 5 ,
DropFactor = 0.100000 ,
amp begin = 22 , amp end = 50 , amp step = 2
data_num = 100
validationFrequency has changed from floor(size(xTrain{1},2)/100 to floor(numel(xTrain)/miniBatchSize/5) (9 to 6)
Hidden Units = 25
```



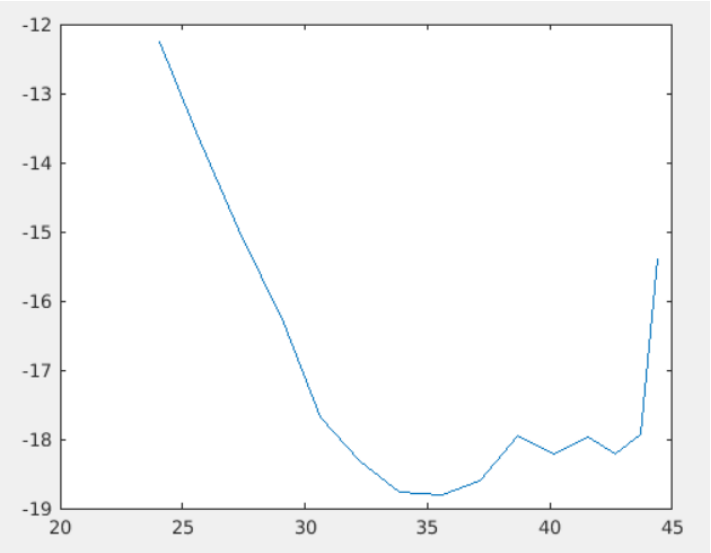
4.1 mix_amp/Twononlinear11（两层非线性层，更改 Hidden Units）

```
twononlinear ,
ini learningRate = 1.000000e-02 ,
min batch size = 400 ,
DropPeriod = 5 ,
DropFactor = 0.100000 ,
amp begin = 22 , amp end = 50 , amp step = 2
data_num = 100
validationFrequency has changed from floor(size(xTrain{1},2)/100 to floor(numel(xTrain)/miniBatchSize/5) (9 to 6)
Hidden Units = 30
```



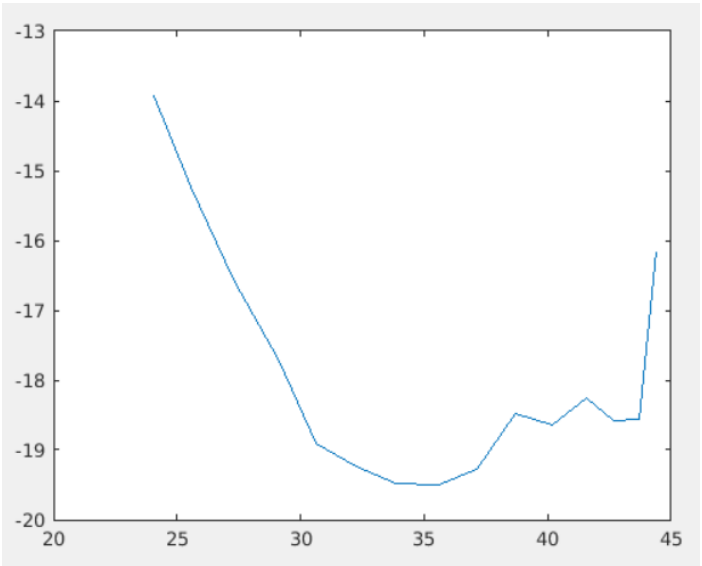
4.2 mix_amp/Twononlinear12

```
twononlinear ,
ini learningRate = 1.000000e-02 ,
min batch size = 400 ,
DropPeriod = 5 ,
DropFactor = 0.100000 ,
amp begin = 22 , amp end = 50 , amp step = 2
data_num = 100
validationFrequency has changed from floor(size(xTrain{1},2)/100 to floor(numel(xTrain)/miniBatchSize/5) (9 to 6)
Hidden Units = 40
```



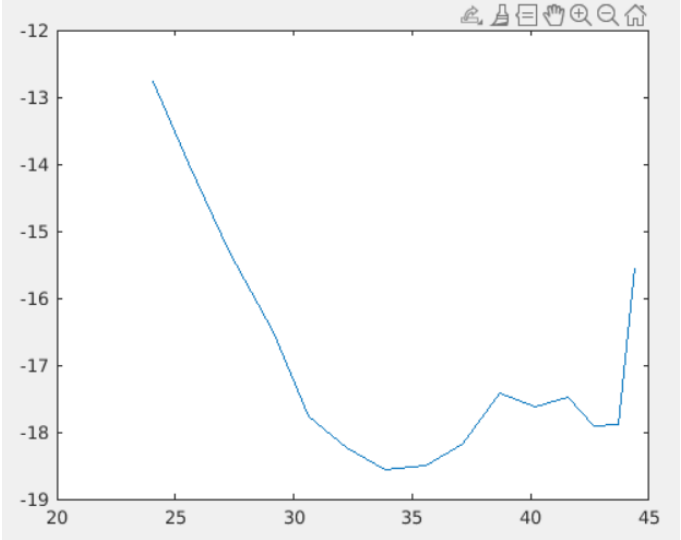
4.3 mix_amp/Twononlinear13

```
twononlinear ,
ini learningRate = 1.000000e-02 ,
min batch size = 400 ,
DropPeriod = 5 ,
DropFactor = 0.100000 ,
amp begin = 22 , amp end = 50 , amp step = 2
data_num = 100
validationFrequency has changed from floor(size(xTrain{1},2)/100 to floor(numel(xTrain)/miniBatchSize/5) (9 to 6)
Hidden Units = 50
```



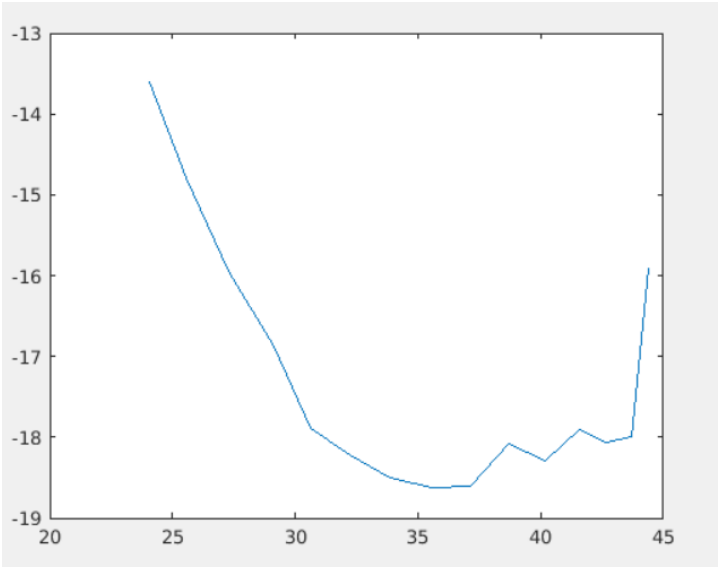
4.4 mix_amp/Twononlinear14

```
twononlinear ,
ini learningRate = 1.000000e-02 ,
min batch size = 400 ,
DropPeriod = 5 ,
DropFactor = 0.100000 ,
amp begin = 22 , amp end = 50 , amp step = 2
data_num = 100
validationFrequency has changed from floor(size(xTrain{1},2)/100 to floor(numel(xTrain)/miniBatchSize/5) (9 to 6)
Hidden Units = 60
```



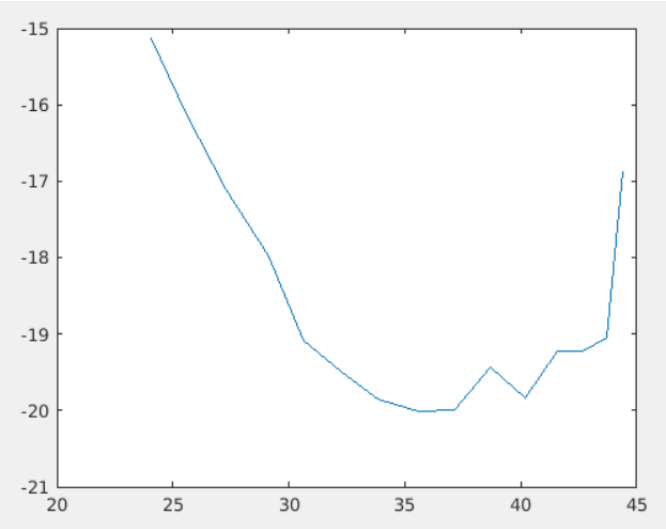
4.5 mix_amp/Twononlinear15

```
twononlinear ,
ini learningRate = 1.000000e-02 ,
min batch size = 400 ,
DropPeriod = 5 ,
DropFactor = 0.100000 ,
amp begin = 22 , amp end = 50 , amp step = 2
data_num = 100
validationFrequency has changed from floor(size(xTrain{1},2)/100 to floor(numel(xTrain)/miniBatchSize/5) (9 to 6)
Hidden Units = 70
```



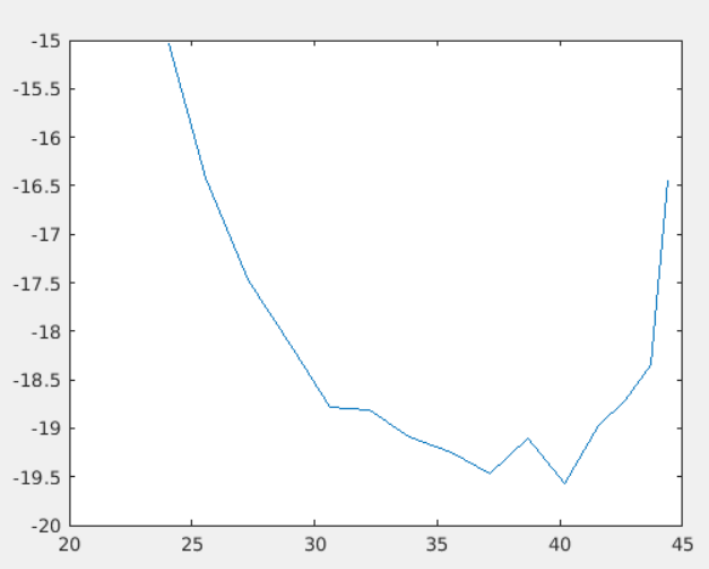
4.6 mix_amp/Twononlinear16

```
twononlinear ,
ini learningRate = 1.000000e-02 ,
min batch size = 400 ,
DropPeriod = 5 ,
DropFactor = 0.100000 ,
amp begin = 22 , amp end = 50 , amp step = 2
data_num = 100
validationFrequency has changed from floor(size(xTrain{1},2)/100 to floor(numel(xTrain)/miniBatchSize/5) (9 to 6)
Hidden Units = 80
```



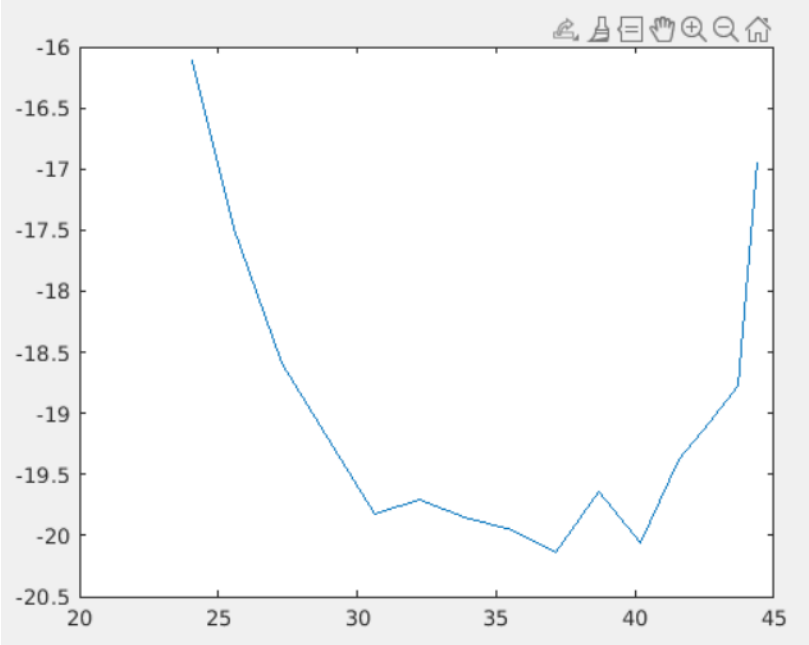
5.1 mix_amp/Threenonlinear1（三层非线性层，更改 Hidden Units）

```
threenonlinear ,
ini learningRate = 1.000000e-02 ,
min batch size = 400 ,
DropPeriod = 5 ,
DropFactor = 0.100000 ,
amp begin = 22 , amp end = 50 , amp step = 2
data_num = 100
validationFrequency has changed from floor(size(xTrain{1},2)/100 to floor(numel(xTrain)/miniBatchSize/5) (9 to 6)
Hidden Units = 25
```



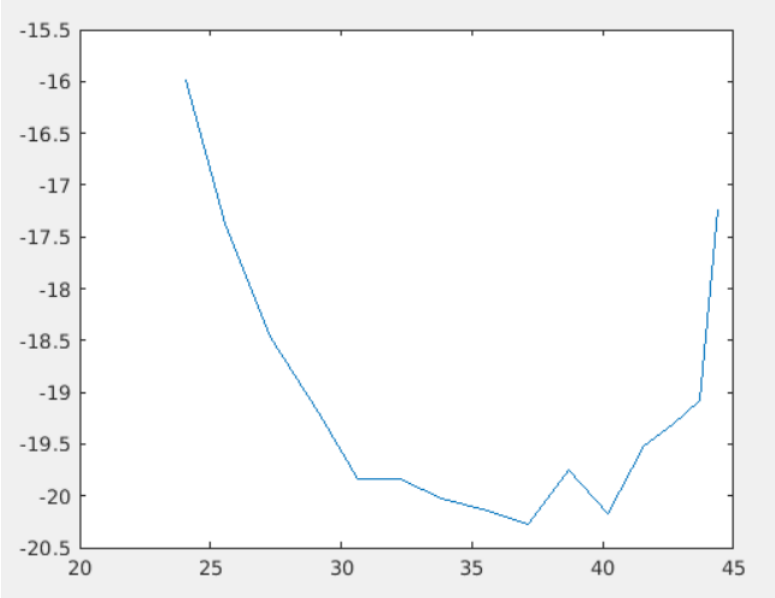
5.2 mix_amp/Threenonlinear2

```
threenonlinear ,
ini learningRate = 1.000000e-02 ,
min batch size = 400 ,
DropPeriod = 5 ,
DropFactor = 0.100000 ,
amp begin = 22 , amp end = 50 , amp step = 2
data_num = 100
validationFrequency has changed from floor(size(xTrain{1},2)/100 to floor(numel(xTrain)/miniBatchSize/5) (9 to 6)
Hidden Units = 30
```



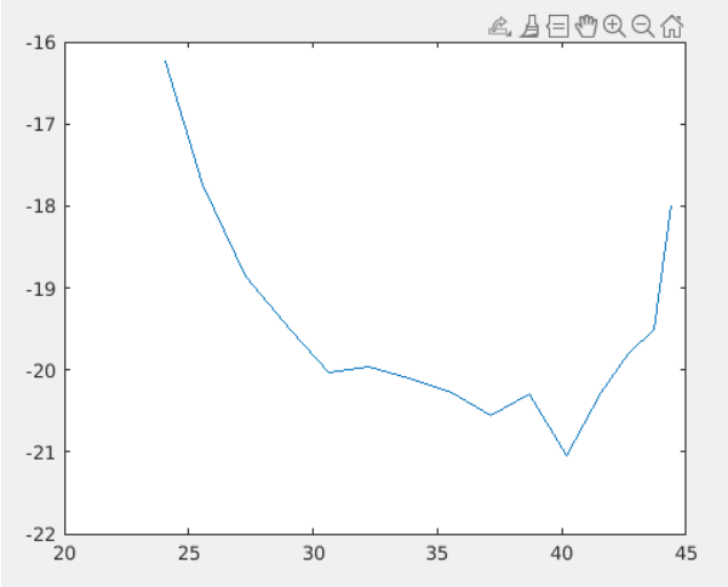
5.3 mix_amp/Threenonlinear3

```
threenonlinear ,
ini learningRate = 1.000000e-02 ,
min batch size = 400 ,
DropPeriod = 5 ,
DropFactor = 0.100000 ,
amp begin = 22 , amp end = 50 , amp step = 2
data_num = 100
validationFrequency has changed from floor(size(xTrain{1},2)/100 to floor(numel(xTrain)/miniBatchSize/5) (9 to 6)
Hidden Units = 40
```



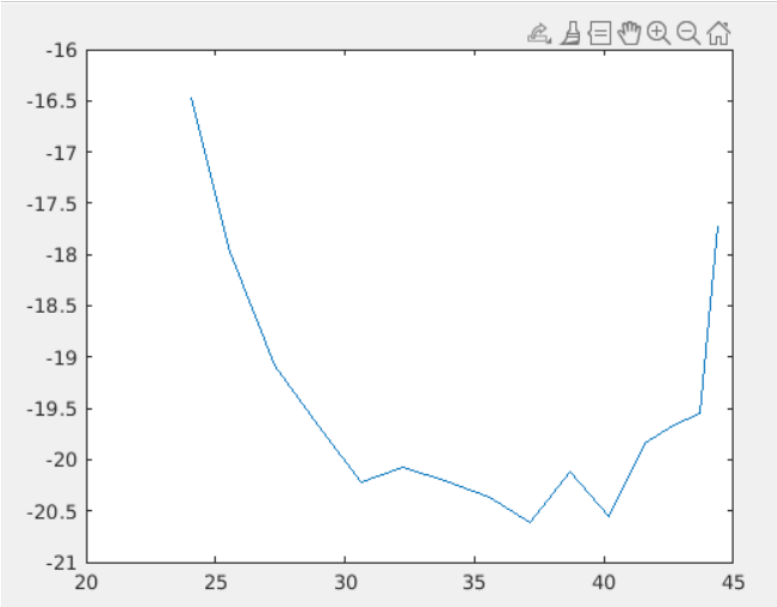
5.4 mix_amp/Threenonlinear4

```
threenonlinear ,
ini learningRate = 1.000000e-02 ,
min batch size = 400 ,
DropPeriod = 5 ,
DropFactor = 0.100000 ,
amp begin = 22 , amp end = 50 , amp step = 2
data_num = 100
validationFrequency has changed from floor(size(xTrain{1},2)/100 to floor(numel(xTrain)/miniBatchSize/5) (9 to 6)
Hidden Units = 50
```



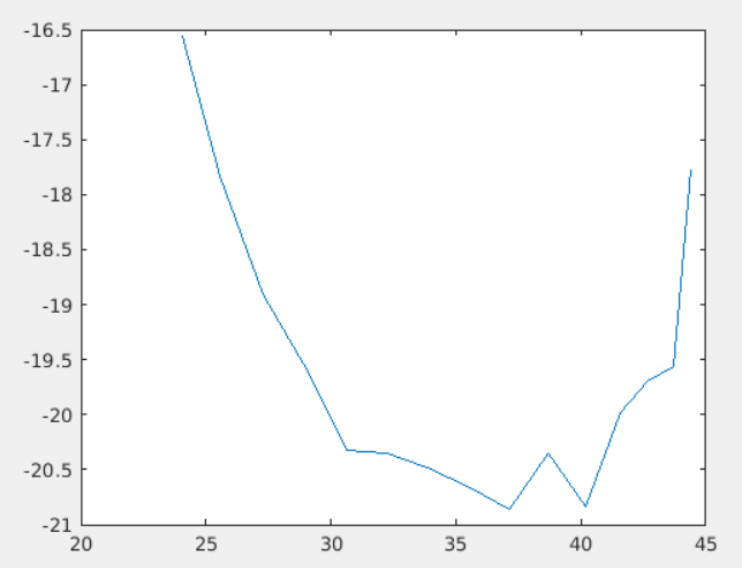
5.5 mix_amp/Threenonlinear5

```
threenonlinear ,
ini learningRate = 1.000000e-02 ,
min batch size = 400 ,
DropPeriod = 5 ,
DropFactor = 0.100000 ,
amp begin = 22 , amp end = 50 , amp step = 2
data_num = 100
validationFrequency has changed from floor(size(xTrain{1},2)/100 to floor(numel(xTrain)/miniBatchSize/5) (9 to 6)
Hidden Units = 60
```



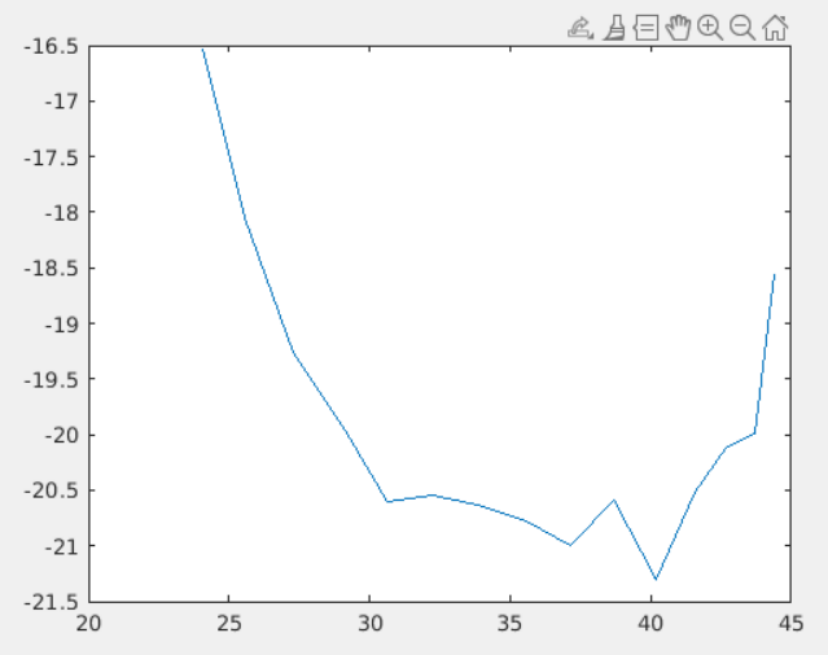
5.6 mix_amp/Threenonlinear6

```
threenonlinear ,
ini learningRate = 1.000000e-02 ,
min batch size = 400 ,
DropPeriod = 5 ,
DropFactor = 0.100000 ,
amp begin = 22 , amp end = 50 , amp step = 2
data_num = 100
validationFrequency has changed from floor(size(xTrain{1},2)/100 to floor(numel(xTrain)/miniBatchSize/5) (9 to 6)
Hidden Units = 70
```



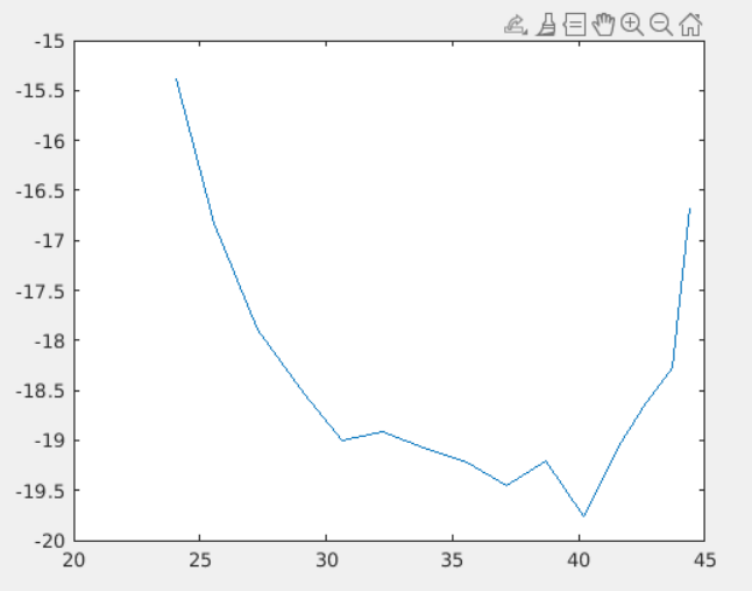
5.7 mix_amp/Threenonlinear7

```
threenonlinear ,
ini learningRate = 1.000000e-02 ,
min batch size = 400 ,
DropPeriod = 5 ,
DropFactor = 0.100000 ,
amp begin = 22 , amp end = 50 , amp step = 2
data_num = 100
validationFrequency has changed from floor(size(xTrain{1},2)/100 to floor(numel(xTrain)/miniBatchSize/5) (9 to 6)
Hidden Units = 80
```



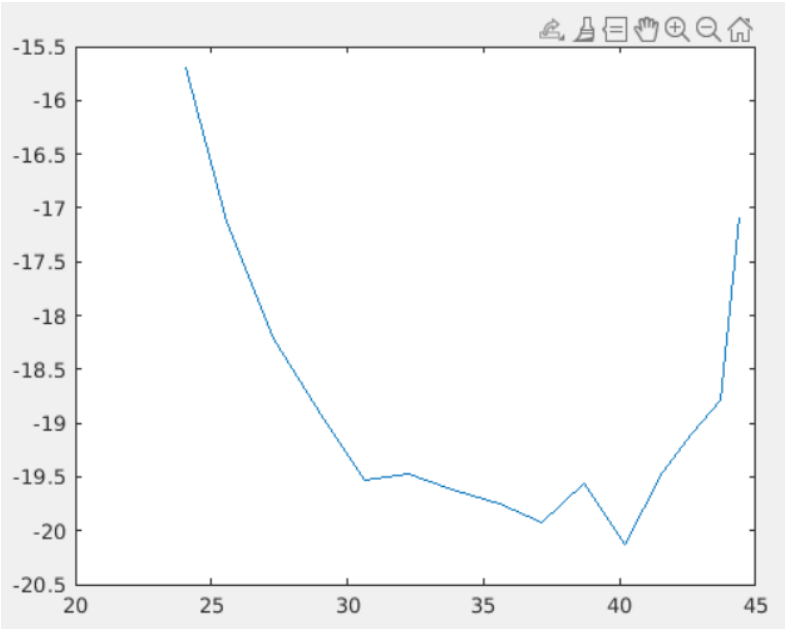
6.1 mix_amp/Tournonlinear1（四层非线性层，更改 Hidden Units）

```
fournonlinear ,
ini learningRate = 1.000000e-02 ,
min batch size = 400 ,
DropPeriod = 5 ,
DropFactor = 0.100000 ,
amp begin = 22 , amp end = 50 , amp step = 2
data_num = 100
validationFrequency has changed from floor(size(xTrain{1},2)/100 to floor(numel(xTrain)/miniBatchSize/5) (9 to 6)
Hidden Units = 25
```



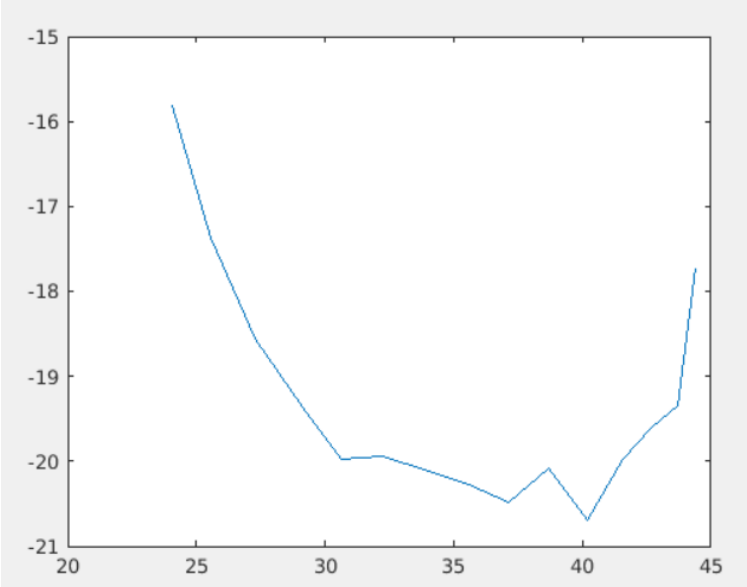
6.2 mix_amp/Tournonlinear2

```
fournonlinear ,
ini learningRate = 1.000000e-02 ,
min batch size = 400 ,
DropPeriod = 5 ,
DropFactor = 0.100000 ,
amp begin = 22 , amp end = 50 , amp step = 2
data_num = 100
validationFrequency has changed from floor(size(xTrain{1},2)/100 to floor(numel(xTrain)/miniBatchSize/5) (9 to 6)
Hidden Units = 30
```



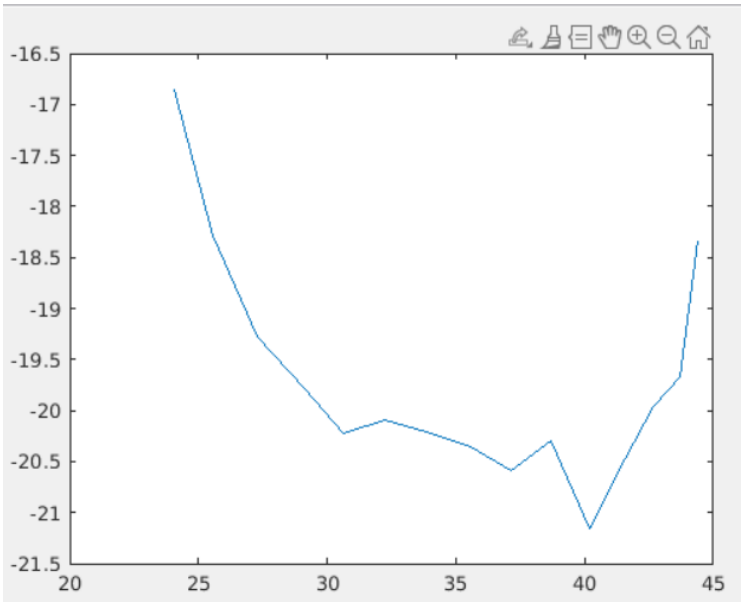
6.3 mix_amp/Tournonlinear3

```
fournonlinear ,
ini learningRate = 1.000000e-02 ,
min batch size = 400 ,
DropPeriod = 5 ,
DropFactor = 0.100000 ,
amp begin = 22 , amp end = 50 , amp step = 2
data_num = 100
validationFrequency has changed from floor(size(xTrain{1},2)/100 to floor(numel(xTrain)/miniBatchSize/5) (9 to 6)
Hidden Units = 40
```



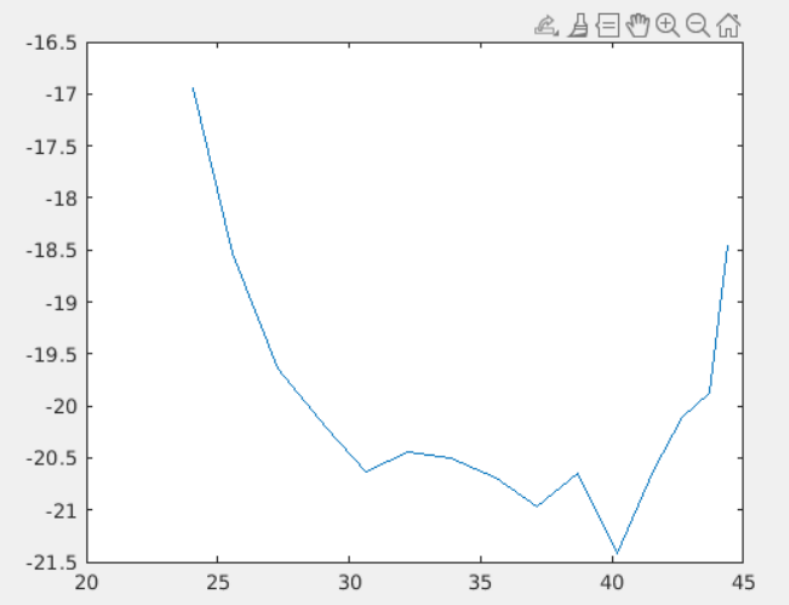
6.4 mix_amp/Tournonlinear4

```
fournonlinear ,
ini learningRate = 1.000000e-02 ,
min batch size = 400 ,
DropPeriod = 5 ,
DropFactor = 0.100000 ,
amp begin = 22 , amp end = 50 , amp step = 2
data_num = 100
validationFrequency has changed from floor(size(xTrain{1},2)/100 to floor(numel(xTrain)/miniBatchSize/5) (9 to 6)
Hidden Units = 50
```



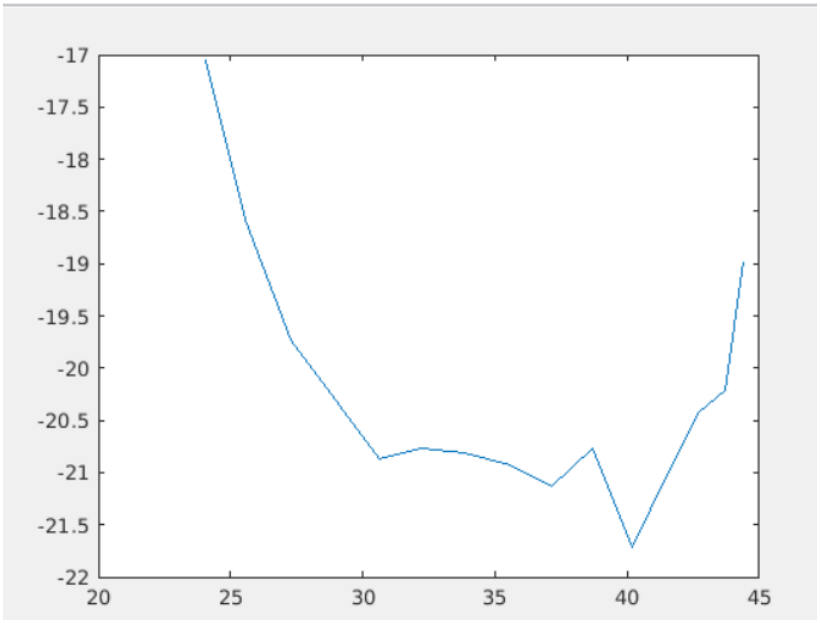
6.5 mix_amp/Tournonlinear5

```
fournonlinear ,
ini learningRate = 1.000000e-02 ,
min batch size = 400 ,
DropPeriod = 5 ,
DropFactor = 0.100000 ,
amp begin = 22 , amp end = 50 , amp step = 2
data_num = 100
validationFrequency has changed from floor(size(xTrain{1},2)/100 to floor(numel(xTrain)/miniBatchSize/5) (9 to 6)
Hidden Units = 60
```



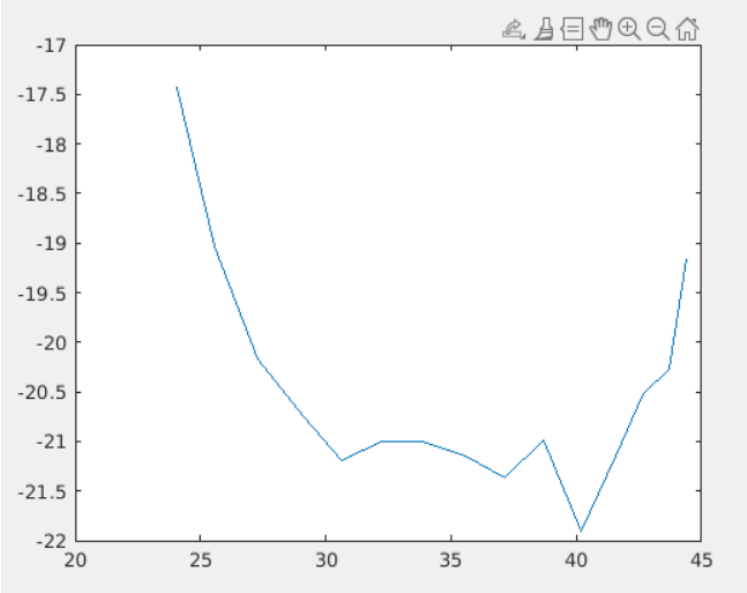
6.6 mix_amp/Tournonlinear6

```
fournonlinear ,
ini learningRate = 1.000000e-02 ,
min batch size = 400 ,
DropPeriod = 5 ,
DropFactor = 0.100000 ,
amp begin = 22 , amp end = 50 , amp step = 2
data_num = 100
validationFrequency has changed from floor(size(xTrain{1},2)/100 to floor(numel(xTrain)/miniBatchSize/5) (9 to 6)
Hidden Units = 70
```



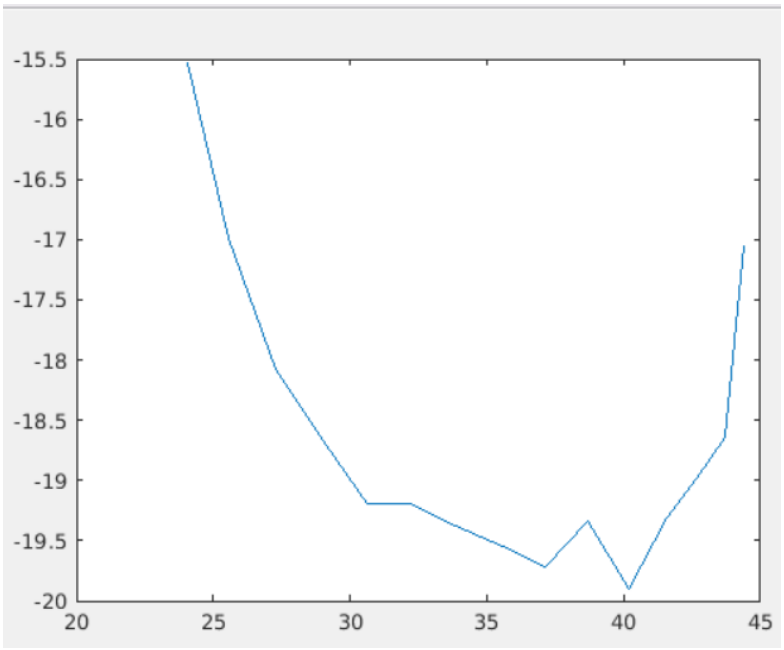
6.7 mix_amp/Tournonlinear7

```
fournonlinear ,
ini learningRate = 1.000000e-02 ,
min batch size = 400 ,
DropPeriod = 5 ,
DropFactor = 0.100000 ,
amp begin = 22 , amp end = 50 , amp step = 2
data_num = 100
validationFrequency has changed from floor(size(xTrain{1},2)/100 to floor(numel(xTrain)/miniBatchSize/5) (9 to 6)
Hidden Units = 80
```



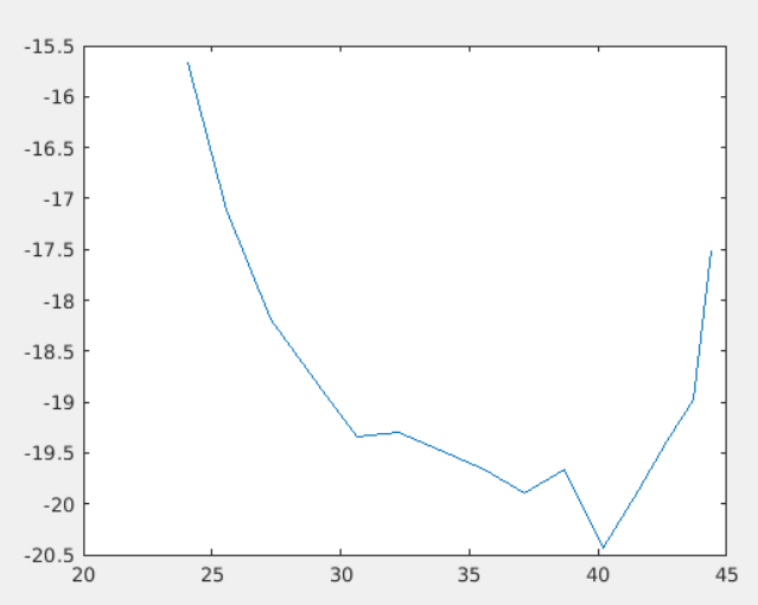
7.1 mix_amp/Fivenonlinear1（五层非线性层，更改 Hidden Units）

```
fivenonlinear ,
ini learningRate = 1.000000e-02 ,
min batch size = 400 ,
DropPeriod = 5 ,
DropFactor = 0.100000 ,
amp begin = 22 , amp end = 50 , amp step = 2
data_num = 100
validationFrequency has changed from floor(size(xTrain{1},2)/100 to floor(numel(xTrain)/miniBatchSize/5) (9 to 6)
Hidden Units = 25
```



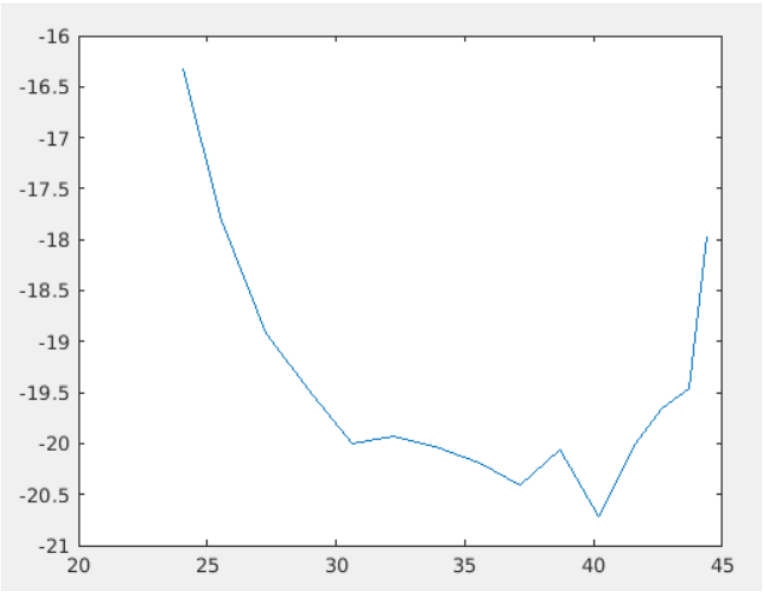
7.2 mix_amp/Fivenonlinear2

```
fivenonlinear ,
ini learningRate = 1.000000e-02 ,
min batch size = 400 ,
DropPeriod = 5 ,
DropFactor = 0.100000 ,
amp begin = 22 , amp end = 50 , amp step = 2
data_num = 100
validationFrequency has changed from floor(size(xTrain{1},2)/100 to floor(numel(xTrain)/miniBatchSize/5) (9 to 6)
Hidden Units = 30
```



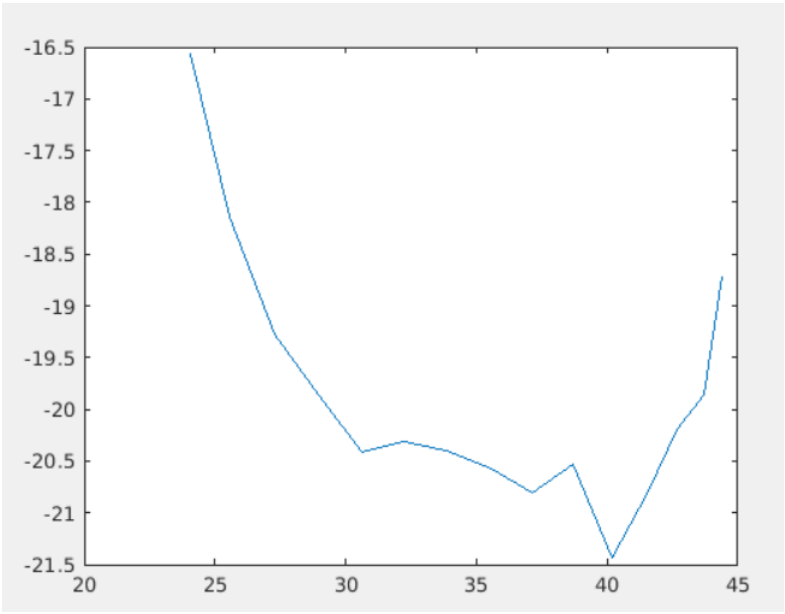
7.3 mix_amp/Fivenonlinear3

```
fivenonlinear ,
ini learningRate = 1.000000e-02 ,
min batch size = 400 ,
DropPeriod = 5 ,
DropFactor = 0.100000 ,
amp begin = 22 , amp end = 50 , amp step = 2
data_num = 100
validationFrequency has changed from floor(size(xTrain{1},2)/100 to floor(numel(xTrain)/miniBatchSize/5) (9 to 6)
Hidden Units = 40
```



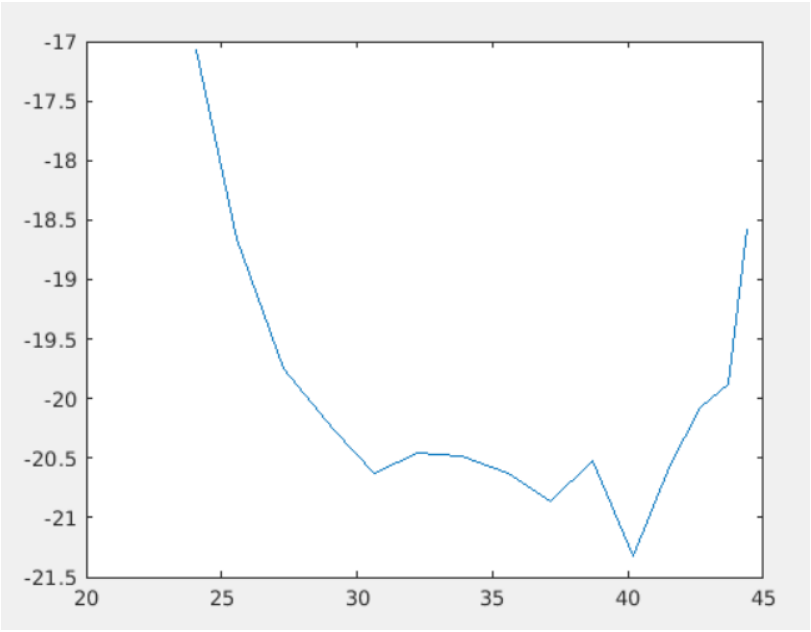
7.4 mix_amp/Fivenonlinear4

```
fivenonlinear ,
ini learningRate = 1.000000e-02 ,
min batch size = 400 ,
DropPeriod = 5 ,
DropFactor = 0.100000 ,
amp begin = 22 , amp end = 50 , amp step = 2
data_num = 100
validationFrequency has changed from floor(size(xTrain{1},2)/100 to floor(numel(xTrain)/miniBatchSize/5) (9 to 6)
Hidden Units = 50
```



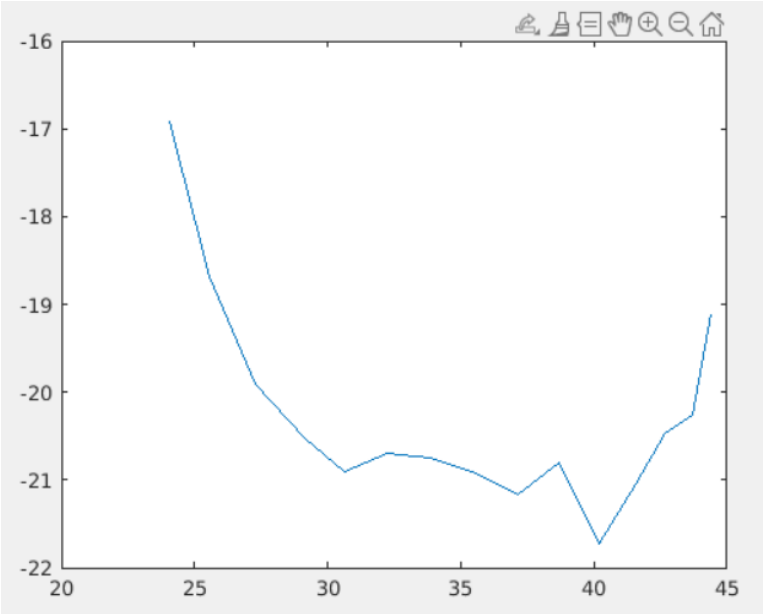
7.5 mix_amp/Fivenonlinear5

```
fivenonlinear ,
ini learningRate = 1.000000e-02 ,
min batch size = 400 ,
DropPeriod = 5 ,
DropFactor = 0.100000 ,
amp begin = 22 , amp end = 50 , amp step = 2
data_num = 100
validationFrequency has changed from floor(size(xTrain{1},2)/100 to floor(numel(xTrain)/miniBatchSize/5) (9 to 6)
Hidden Units = 60
```



7.6 mix_amp/Fivenonlinear6

```
fivenonlinear ,
ini learningRate = 1.000000e-02 ,
min batch size = 400 ,
DropPeriod = 5 ,
DropFactor = 0.100000 ,
amp begin = 22 , amp end = 50 , amp step = 2
data_num = 100
validationFrequency has changed from floor(size(xTrain{1},2)/100 to floor(numel(xTrain)/miniBatchSize/5) (9 to 6)
Hidden Units = 70
```



7.7 mix_amp/Fivenonlinear7

```
fivenonlinear ,
ini learningRate = 1.000000e-02 ,
min batch size = 400 ,
DropPeriod = 5 ,
DropFactor = 0.100000 ,
amp begin = 22 , amp end = 50 , amp step = 2
data_num = 100
validationFrequency has changed from floor(size(xTrain{1},2)/100 to floor(numel(xTrain)/miniBatchSize/5) (9 to 6)
Hidden Units = 80
```