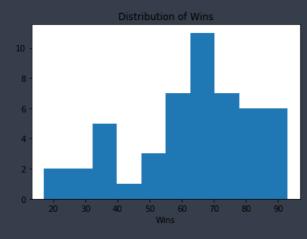
```
Data Split
  SB_D SB_R ERA ER CG SHO RA R AB
                                              H ... FP SV IPOuts HA HRA BBA SOA
                                                                                        E DF
                                6.32 826 5109 1478 ... 0.977 24
                                                            3878
                                                                                       124 229
                                5.54 803 4999 1429 ... 0.979 38
                   705 7
                                                                   1456 131
                                                                                       111 219
                   838 1
                                                            3819
2 115
                                                                                       130 264
3 80
                               5.64 786 5051 1464 ... 0.981 34
                                                            3863
                                                                                  909
4 90
                                                                                  1009 91 229
```



0.473576

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```

## Scaling

## Linear Regression

-1.52243656]] 절편: [63.21471165] 훈련 정확도:0.99039 테스트 정확도:0.92562

## DNN 구성

```
- Os 3ms/sample - loss: 8.3069 - mae: 2.3526 - val loss:
```

```
하이퍼파라미터 튜닝
```

```
In [16]:
keras.backend.clear_session()
np.random.seed(42)
tf.random.set_seed(42)
```

```
In [17]:

dot build_model(n_hidden=1, n_neurons=30, learning_rate=3e-3, input_shape=[26]):
    model = keras.models.Sequential()
    model.add(keras.layers.InputLayer(input_shape=input_shape))

for layer in range(n_hidden):
    model add(keras_layers_Dense(n_neurons__activation="relu"))
```

```
loss: 2628.8071 - val mae: 51.0412
```

=========] - Os 266us/sample - loss: 3254.2122 - mae: 56.0290 -

```
Epoch 22/100
```

loss: 2312.4688 - val mae: 47.1057

```
Os 298us/sample - loss: 514.8430 - mae: 21.9089 -
```

```
loss: 1683.4631 - val mae: 40.2638
```

```
loss: 209.6192 - val mae: 12.6583
```

```
===============] - 0s 332us/sample - loss: 2214.8203 - mae: 45.9777 - val
```

```
ss: 49.0090 - val_mae: 5.7840
```

```
Epoch 89/100
```

```
- val mae: 10.0020
```

```
loss: 2780.7791 - val_mae: 52.4984
```

```
Epoch 52/100
```

```
Os 266us/sample - loss: 467.6017 - mae: 20.2177
```

```
loss: 3677.5098 - val mae: 58.3535
```

```
ss: 69.6245 - val_mae: 7.2387
```

```
ss: 53.42<u>5</u>9 -
                val mae: 5.5581
```

```
Epoch 20/100
```

```
loss: 3406.2339 - val mae: 57.7755
```

```
=======] - 0s 2<mark>66us/sample</mark> - loss: 3667.1406 - mae: 59.0824 - val
```

```
Os 265us/sample - loss: 4896.8340 - mae: 65.8568 -
```

precationWarning: The default of the `iid` parameter will change from True to False in version 0.22 and will be removed in 0.24. This will change numeric results when test-set sizes are uneg ual.

DeprecationWarning)

```
Epoch 22/100
```