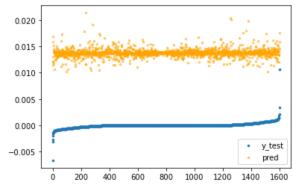


```
534/534 - 1s - loss: 0.0328
          Epoch 4/30
         534/534 - 1s - loss: 0.0197
          Epoch 5/30
         534/534 - 1s - loss: 0.0142
          Epoch 6/30
          534/534 - 1s - loss: 0.0108
          Epoch 7/30
         534/534 - 1s - loss: 0.0087
          Epoch 8/30
         534/534 - 1s - loss: 0.0074
          Epoch 9/30
         534/534 - 1s - loss: 0.0058
          Epoch 10/30
         534/534 - 1s - loss: 0.0050
          Epoch 11/30
         534/534 - 1s - loss: 0.0047
          Epoch 12/30
         534/534 - 1s - loss: 0.0040
          Epoch 13/30
         534/534 - 1s - loss: 0.0038
          Epoch 14/30
         534/534 - 1s - loss: 0.0034
          Epoch 15/30
          534/534 - 1s - loss: 0.0032
          Epoch 16/30
         534/534 - 1s - loss: 0.0029
          Epoch 17/30
         534/534 - 1s - loss: 0.0026
          Epoch 18/30
          534/534 - 1s - loss: 0.0027
          Epoch 19/30
         534/534 - 1s - loss: 0.0024
          Epoch 20/30
         534/534 - 1s - loss: 0.0021
          Epoch 21/30
         534/534 - 1s - loss: 0.0019
          Epoch 22/30
         534/534 - 1s - loss: 0.0020
          Epoch 23/30
          534/534 - 1s - loss: 0.0018
         Epoch 24/30
         534/534 - 1s - loss: 0.0018
          Epoch 25/30
         534/534 - 1s - loss: 0.0016
          Epoch 26/30
         534/534 - 1s - loss: 0.0016
          Epoch 27/30
         534/534 - 1s - loss: 0.0015
          Epoch 28/30
         534/534 - 1s - loss: 0.0014
          Epoch 29/30
         534/534 - 1s - loss: 0.0013
         Epoch 30/30
         534/534 - 1s - loss: 0.0013
Out[11]: <tensorflow.python.keras.callbacks.History at 0x2a632f70430>
In [12]:
          1 ypred = model.predict(X_test)
           print("y1 MSE: ", mean_squared_error(t_test.iloc[:, 0], ypred[:,0]))
print("y2 MSE: ", mean_squared_error(t_test.iloc[:, 1], ypred[:,1]))
           4 #print("y3 MSE: ", mean_squared_error(t_test.iloc[:, 2], ypred[:,2]))
         y1 MSE: 0.00019058870858272152
In [13]: 1 \times_{ax} = range(len(X_test))
           3 plt.scatter(x_ax, t_test.iloc[:, 0], s=6, label="y1-test")
           4 plt.scatter(x_ax, ypred[:,0], label="y1-pred",c="red",alpha = 0.1)
           6 plt.legend()
           7 plt.show()
            0.020
            0.015
```

Epocn 3/30

0.010 -

```
0.005 -
0.000 -
-0.005 -
0 200 400 600 800 1000 1200 1400 1600
```



```
In [ ]: 1
```