SVR+

```
1. 西班牙数据集
```

```
1.1 Privileged Information = Wind_Power_train(t)
1.2 Privileged Information = Wind_Speed_train(t), sin(Wind_Direction_train)(t)
2. 美国数据集
1.1 Privileged Information = Wind_Power_train(t)
```

```
1.2 Privileged Information = Wind_Speed_train ( t ), sin(Wind_Direction_train) ( t )
```

SVR+

1. 西班牙数据集

1.1 Privileged Information = Wind_Power_train (t)

train index: [6426, 10427] train_len: 4000 test index: [14389, 15390] test_len: 1000

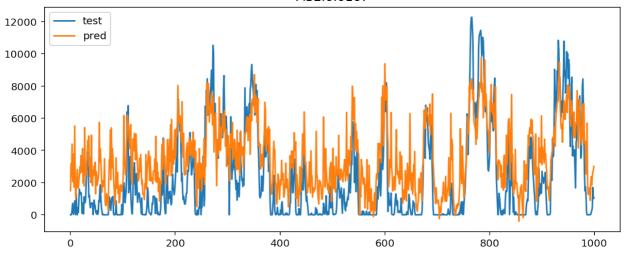
● 输入特征:

```
1 'wind_speed', 'sin(wd)', 'cos(wd)', 【t期】
2 'wind_speed-1', 'sin(wd)-1','cos(wd)-1', 'wind_power-1'【t-1期】
```

- Privileged Information: Wind_Power(t)【即 Y_train】
- svr+参数设置(默认参数):
 - 【训练时间过长 不易调参;若将训练数据长度降至 2000,测试 mse 为0.03421,非常不理想】

• 输出: Wind_Power

训练时间: 65 mins



1.2 Privileged Information = Wind_Speed_train (t), sin(Wind_Direction_train) (t)

train index: [6426, 10427] train_len: 4000 test index: [14389, 15390] test_len: 1000

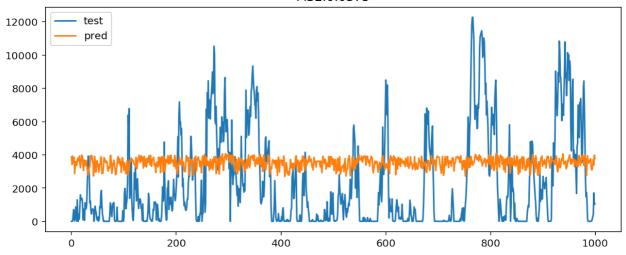
● 输入特征:

```
1 'wind_speed', 'sin(wd)', 'cos(wd)', 【t期】
2 'wind_speed-1', 'sin(wd)-1','cos(wd)-1', 'wind_power-1'【t-1期】
```

- Privileged Information: Wind_Speed_train (t), sin(Wind_Direction_train) (t)
- svr+参数设置(默认参数)

● 输出: Wind_Power

训练时间: 57 mins



2. 美国数据集

1.1 Privileged Information = Wind_Power_train (t)

train index: [3001, 7002] train_len: 4000 test index: [2000, 3001] test_len: 1000

● 输入特征:

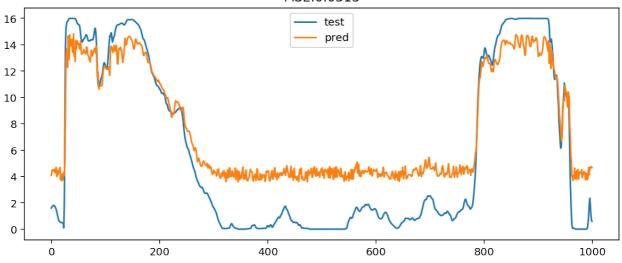
```
1 'wind_speed', 'sin(wd)', 'cos(wd)', 【t期】
2 'wind_speed-1', 'sin(wd)-1','cos(wd)-1', 'wind_power-1'【t-1期】
```

- **Privileged Information**: Wind_Power(t)【即Y_train】
- svr+参数设置(默认参数):
 - 。 【训练时间过长 不易调参;若将训练数据长度降至 2000,测试 mse 为0.03421,非常不理想】

• 输出: Wind_Power

训练时间: 53 mins





1.2 Privileged Information = Wind_Speed_train (t), sin(Wind_Direction_train) (t)

train index: [6426, 10427] train_len: 4000 test index: [14389, 15390] test_len: 1000

● 输入特征:

```
1 'wind_speed', 'sin(wd)', 'cos(wd)', 【t期】
2 'wind_speed-1', 'sin(wd)-1','cos(wd)-1', 'wind_power-1'【t-1期】
```

- **Privileged Information**: Wind_Speed_train (t), sin(Wind_Direction_train) (t)
- svr+参数设置 (默认参数)

• 输出: Wind_Power

训练时间: 65 mins

