Zxy：

accuracy: 0.9500

answer

0 1.000000

1 0.882353

2 0.952381

3 0.928571

4 1.000000

Lyh：536

accuracy: 0.8981

answer

0 1.000000

1 0.818182

2 0.785714

3 0.818182

4 1.000000

yzt：780

accuracy: 0.9038

answer

0 0.555556

1 0.794118

2 1.000000

3 0.960000

4 0.953488

拆分结果1：

accuracy: 0.8718

answer

0 0.800000

1 0.705882

2 0.700000

3 1.000000

4 0.952381

拆分结果2：

accuracy: 0.8846

answer

0 0.600000

1 0.941176

2 1.000000

3 0.880000

4 0.857143

~~摩擦电发音：~~

~~accuracy: 0.9492~~

~~answer~~

~~0 0.896552~~

~~1 0.888889~~

~~2 0.952381~~

~~3 0.928571~~

~~4 1.000000~~

拆分结果1：

accuracy: 0.9101

answer

0 0.800000

1 0.777778

2 0.800000

3 0.952381

4 1.000000

拆分结果2：

accuracy: 0.9438

answer

0 0.866667

1 1.000000

2 0.900000

3 0.904762

4 1.000000

~~Im发音：~~

~~accuracy: 0.9819~~

~~answer~~

~~0 1.000000~~

~~1 1.000000~~

~~2 0.964286~~

~~3 0.920000~~

~~4 1.000000~~

0.96555

0.948276

0.944445

0.9583335

0.9242855

1

拆分结果1：

accuracy: 0.9640

answer

0 0.925926

1 1.000000

2 0.964286

3 0.916667

4 1.000000

拆分结果2：

accuracy: 0.9730

answer

0 1.000000

1 0.956522

2 0.964286

3 1.000000

4 0.952381

每个分成2个

Eating：

~~accuracy: 0.9741~~

~~answer~~

~~0 1.000000~~

~~1 0.955556~~

~~2 0.941176~~

~~3 1.000000~~

accuracy: 0.9569

answer

0 0.981481

1 0.977778

2 0.823529

5

accuracy: 0.5813

answer

0 1.000000

1 0.470588

2 0.380952

3 0.428571

4 0.781250

25

accuracy: 0.8500

answer

0 1.000000

1 0.705882

2 0.809524

3 0.857143

4 0.937500

50

accuracy: 0.8750

answer

0 0.916667

1 0.823529

2 0.809524

3 0.857143

4 1.000000

100

accuracy: 0.9062

answer

0 1.000000

1 0.823529

2 0.809524

3 1.000000

4 0.968750

150

accuracy: 0.9125

answer

0 0.833333

1 0.705882

2 1.000000

3 1.000000

4 1.000000

200

accuracy: 0.9375

answer

0 0.916667

1 0.764706

2 1.000000

3 1.000000

4 1.000000

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Model | Zxy | Lyh | Yzt-1 | Yzt-2 | TENG-1 | TENG-2 | IM-1 | IM-2 | Eating |
| Decision Tree | 95.6 | 77.8 | 75.6 | 82.1 | 75.3 | 85.4 | 93.7 | 83.8 | 94.8 |
| KNN | 95.6 | 84.3 | 84.6 | 87.2 | 79.8 | 85.4 | 86.5 | 94.6 | 93.1 |
| Logistic | 65.6 | 71.3 | 65.4 | 67.9 | 75.3 | 83.1 | 87.4 | 90.1 | 70.7 |
| Random Forest | **97.5** | 88.0 | 85.9 | **88.5** | 85.4 | 88.8 | 94.6 | 94.6 | 94.8 |
| SVM | 81.9 | 67.6 | 73.1 | 75.6 | 71.9 | 83.1 | 91.9 | 90.1 | 75.9 |
| Our PatchTST | 95.0 | **89.8** | **87.2** | **88.5** | **91.0** | **94.4** | **96.4** | **97.3** | **95.7** |

Zxy:

accuracy: 0.9828

answer

0 1.0

1 1.0

2 1.0

3 1.0

4 0.9

Yzt:

accuracy: 0.8909

answer

0 1.000000

1 1.000000

2 0.571429

3 0.833333

4 0.900000

Zxy2：

accuracy: 1.0000

answer

0 1.0

1 1.0

2 1.0

3 1.0

4 1.0

dtype: float64

Lyh：

accuracy: 0.9643

answer

0 1.000000

1 1.000000

2 0.900000

3 1.000000

4 0.909091

Zxy：

accuracy: 0.9500

answer

0 1.000000

1 0.882353

2 0.952381

3 0.928571

4 1.000000

Lyh：536

accuracy: 0.8981

answer

0 1.000000

1 0.818182

2 0.785714

3 0.818182

4 1.000000

拆分结果1：

accuracy: 0.8718

answer

0 0.800000

1 0.705882

2 0.700000

3 1.000000

4 0.952381

拆分结果2：

accuracy: 0.8846

answer

0 0.600000

1 0.941176

2 1.000000

3 0.880000

4 0.857143