|  |  |  |
| --- | --- | --- |
|  | Training model (second) | Accuracy |
| Naive Bayes | 0.033440351486206055 | 0.9903846153846154 |
| Linear Classifier | 0.06913018226623535 | 0.9871794871794872 |
| Support vector machine | 0.05374741554260254 | 0.9871794871794872 |

|  |  |  |
| --- | --- | --- |
|  | Training model (second) | Accuracy |
| Naive Bayes | 0.036806583404541016 | 0.9823529411764705 |
| Linear Classifier | 0.08079862594604492 | 0.9882352941176471 |
| Support vector machine | 0.07831764221191406 | 0.9941176470588236 |

Naive Bayes

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | precision | recall | f1-score | support |
| \_\_label\_\_nước | 1.00 | 0.95 | 0.98 | 43 |
| \_\_label\_\_y\_tế | 1.00 | 1.00 | 1.00 | 107 |
| \_\_label\_\_điện | 0.96 | 0.98 | 0.97 | 95 |
| \_\_label\_\_điện\_tử | 0.98 | 0.98 | 0.98 | 95 |
|  |  |  |  |  |
| accuracy |  |  | 0.98 | 340 |
| macro avg | 0.98 | 0.98 | 0.98 | 340 |
| weighted avg | 0.98 | 0.98 | 0.98 | 340 |

Linear Classifier

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | precision | recall | f1-score | support |
| \_\_label\_\_nước | 1.00 | 0.95 | 0.98 | 43 |
| \_\_label\_\_y\_tế | 1.00 | 1.00 | 1.00 | 107 |
| \_\_label\_\_điện | 0.98 | 0.98 | 0.98 | 95 |
| \_\_label\_\_điện\_tử | 0.98 | 1.00 | 0.99 | 95 |
|  |  |  |  |  |
| accuracy |  |  | 0.99 | 340 |
| macro avg | 0.99 | 0.98 | 0.99 | 340 |
| weighted avg | 0.99 | 0.99 | 0.99 | 340 |

Support vector machine

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | precision | recall | f1-score | support |
| \_\_label\_\_nước | 1.00 | 0.98 | 0.99 | 43 |
| \_\_label\_\_y\_tế | 1.00 | 1.00 | 1.00 | 107 |
| \_\_label\_\_điện | 0.98 | 0.99 | 0.99 | 95 |
| \_\_label\_\_điện\_tử | 0.99 | 1.00 | 0.99 | 95 |
|  |  |  |  |  |
| accuracy |  |  | 0.99 | 340 |
| macro avg | 0.99 | 0.99 | 0.99 | 340 |
| weighted avg | 0.99 | 0.99 | 0.99 | 340 |