|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| CFA | KNN | SVM | DT | RF | NB | Logistic |
| Pima | 0.77 | 0.80 | .067 | 0.79 | 0.77 | 0.83 |
| Germany | 0.80 | 0.78 | 0.96 | 0.98 | 0.75 | 0.78 |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| GA | KNN | SVM | DT | RF | NB | Logistic |
| Pima | 0.77 | 0.78 | 0.71 | 0.76 | 0.76 | 0.79 |
| Germany | 0.79 | 0.77 | 0.96 | 0.98 | 0.77 | 0.77 |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| All Data | KNN | SVM | DT | RF | NB | Logistic |
| Pima | 0.75 | 0.80 | 0.77 | 0.77 | 0.76 | 0.82 |
| Germany | 0.81 | 0.77 | 0.97 | 0.98 | 0.75 | 0.78 |

Ger log average

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | 10 | 20 | 30 | 40 | 50 | 500 |
| 10 | 0.757 | 0.768 | 0.762 | 0.75 | 0.76 |  |
| 20 | 0.756 | 0.74 | 0.75 | 0.74 |  |  |
| 30 |  |  |  |  |  |  |
| 40 |  |  |  |  |  |  |
| 50 |  |  |  |  |  |  |

Pima log average

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | 10 | 20 | 30 | 40 | 50 | 500 |
| 10 | 0.757 | 0.768 | 0.762 | 0.75 | 0.76 |  |
| 20 | 0.756 | 0.74 | 0.75 | 0.74 |  |  |
| 30 |  |  |  |  |  |  |
| 40 |  |  |  |  |  |  |
| 50 |  |  |  |  |  |  |

[5.565041084771181, 1.7710167980523295, 0.7787929857474865, 2.990179165150778]

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | 10 | 20 | 30 | 40 | 50 | 500 |
| 10 | 0.753 | 0.757 | 0.76 | 0.77 | 0.78 | 0.81 |
| 20 | 0.757 | 0.759 | 0.77 | 0.776 | 0.79 | 0.80 |
| 30 | 0.74 | 0.768 | 0.784 | 0.786 | 0.788 |  |
| 40 | 0.742 | 0.765 | 0.772 | 0.785 | 0.79 |  |
| 50 | 0.766 | 0.747 | 0.758 | 0.776 | 0.79 |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | 10 | 20 | 30 | 40 | 50 | 500 |
| 10 | 0.73 | 0.742 | 0.744 | 0.751 | 0.755 | 0.78 |
| 20 | 0.72 | 0.744 | 0.75 | 0.76 | 0.76 | 0.78 |
| 30 | 0.74 | 0.74 | 0.754 | 0.763 | 0.77 |  |
| 40 | 0.72 | 0.743 | 0.74 | 0.76 | 0.763 |  |
| 50 | 0.73 | 0.75 | 0.753 | 0.76 | 0.772 |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | 10 | 20 | 30 | 40 | 50 | 500 |
| 10 | 0.738 | 0.75 | 0.747 | 0.74 | 0.746 |  |
| 20 |  |  |  |  |  |  |
| 30 |  |  |  |  |  |  |
| 40 |  |  |  |  |  |  |
| 50 |  |  |  |  |  |  |

[5.065611042943004, 6.525108474326061, 1.7487021801314881] three features geramery

RF 0.97

KNN 0.82

SVM 0.78

Nv 0.77

DT 0.97

Log 0.79

[0.641527623108729, 1.707903485185028, 6.0341821935521835]

*RF 0.78*

KNN 0.75

SVM 0.79

Nv 0.77

DT 0.71

Log 0.79