4335 HWA4

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(1) Logistic regression

|  |  |  |
| --- | --- | --- |
| Category | Accuracy in Train (%) | Accuracy in Test (%) |
| Face | 74.92 | 62.90 |
| Bonsai | 100 | 60.53 |
| Motorbikes | 78.61 | 66.37 |
| Airplanes | 72.71 | 60.47 |
| Leopards | 69.57 | 58.06 |

(2) Adaline

|  |  |  |
| --- | --- | --- |
| Category | Accuracy in Train (%) | Accuracy in Test (%) |
| Face | 1 | 60.48 |
| Bonsai | 1 | 73.68 |
| Motorbikes | 1 | 68.16 |
| Airplanes | 1 | 65.24 |
| Leopards | 1 | 59.68 |

(3) SVM

|  |  |  |
| --- | --- | --- |
| Category | Accuracy in Train (%) | Accuracy in Test (%) |
| Face | 81.67 | 45.16 |
| Bonsai | 100 | 60.53 |
| Motorbikes | 80.52 | 62.78 |
| Airplanes | 76.78 | 60.00 |
| Leopards | 90.58 | 43.55 |

(4) Kernel SVM (radial)

|  |  |  |
| --- | --- | --- |
| Category | Accuracy in Train (%) | Accuracy in Test (%) |
| Face | 86.82 | 62.90 |
| Bonsai | 82.22 | 73.68 |
| Motorbikes | 85.91 | 68.16 |
| Airplanes | 88.14 | 61.43 |
| Leopards | 90.58 | 58.06 |