Results:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | '0' Padding | | | '-1 'Padding | | |
|  | Random Forest | Logistic Regression | Artificial Neural Network(5 epochs) | Random Forest | Logistic Regression | Artificial Neural Network (5 epochs) |
| Accuracy | 99.99% | 90.89% | 79.84 | 91.97% | 91.18% | 81.32% |

|  |  |  |  |
| --- | --- | --- | --- |
|  | No Learning Method | | |
|  | Random Forest | Logistic Regression | Artificial Neural Network (5 epochs) |
| Accuracy | -- | -- | 92.00% |

PCA: 95%\*

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | '0' Padding | | | '-1 'Padding | | |
|  | Random Forest | Logistic Regression | Artificial Neural Network (5 epochs) | Random Forest | Logistic Regression | Artificial Neural Network (5 epochs) |
| Accuracy | 91.69% | 91.14% | -- | 91.68% | 91.11% | -- |

PCA: 90%\*

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | '0' Padding | | | '-1 'Padding | | |
|  | Random Forest | Logistic Regression | Artificial Neural Network (5 epochs) | Random Forest | Logistic Regression | Artificial Neural Network (5 epochs) |
| Accuracy | 91.68% | 91.09% | -- | 91.68% | 91.11% | -- |

10 Epochs:

|  |  |  |  |
| --- | --- | --- | --- |
|  | Artificial Neural Network (10 Epochs) | | |
|  | '0' Padding | '-1 'Padding | No Learning Method |
| Accuracy | 79.74 | 80.34% | 92.00% |