# SVM

|  |  |
| --- | --- |
| Parameters | Results |
| Default Parameters | SVM Accuracy: 0.897575  Classification Report:  precision recall f1-score support  0 0.90 1.00 0.95 35903  1 0.00 0.00 0.00 4097  accuracy 0.90 40000  macro avg 0.45 0.50 0.47 40000  weighted avg 0.81 0.90 0.85 40000 |
| gamma='auto',  kernel='linear', C=1.0, random\_state=0 | SVM Accuracy: 0.89925  Classification Report:  precision recall f1-score support  0 0.90 1.00 0.95 35970  1 0.00 0.00 0.00 4030  accuracy 0.90 40000  macro avg 0.45 0.50 0.47 40000  weighted avg 0.81 0.90 0.85 40000 |