



Results

| | precision | recall | f1-score | support |
|--------------|-----------|--------|----------|---------|
| 0.0 | 0.94 | 0.97 | 0.96 | 420053 |
| 1.0 | 0.60 | 0.43 | 0.50 | 43136 |
| accuracy | | | 0.92 | 463189 |
| macro avg | 0.77 | 0.70 | 0.73 | 463189 |
| weighted avg | 0.91 | 0.92 | 0.91 | 463189 |

Note: Here, the probability threshold has been set to 20.5%, which yields the best f1 score on the test set.

Confusion Matrix – Testing Data

| | Predicted Inactive | Predicted Active |
|-----------------|--------------------|------------------|
| Actual Inactive | 407893 | 12160 |
| Actual Active | 24783 | 18353 |

Note: The probability threshold has been set to 20.5%.



