# No Hyperparameter Search

Roc\_acc= 0.8799939410290303

### Confusion Matrix

|  |  |  |
| --- | --- | --- |
| Actual result \ Predicted result | Missed playoffs | In playoffs |
| Missed playoffs | 777 | 121 |
| In playoffs | 128 | 1333 |

### Classification Report

|  |  |  |  |
| --- | --- | --- | --- |
|  | Precision | Recall | F1-score |
| Missed playoffs | 0.86 | 0.87 | 0.86 |
| In playoffs | 0.92 | 0.91 | 0.91 |
| average | 0.89 | 0.89 | 0.89 |

# Hyperparameter Search

Roc\_acc= 0.88234257518797

### Confusion Matrix

|  |  |  |
| --- | --- | --- |
| Actual result \ Predicted result | Missed playoffs | In playoffs |
| Missed playoffs | 771 | 127 |
| In playoffs | 107 | 1354 |

### Classification Report

|  |  |  |  |
| --- | --- | --- | --- |
|  | Precision | Recall | F1-score |
| Missed playoffs | 0.88 | 0.86 | 0.87 |
| In playoffs | 0.91 | 0.93 | 0.92 |
| average | 0.9 | 0.9 | 0.9 |

# Hyperparameter Search

Roc\_acc= 0.862663983303518

### Confusion Matrix

|  |  |  |
| --- | --- | --- |
| Actual result \ Predicted result | Missed playoffs | In playoffs |
| Missed playoffs | 748 | 150 |
| In playoffs | 155 | 1306 |

### Classification Report

|  |  |  |  |
| --- | --- | --- | --- |
|  | Precision | Recall | F1-score |
| Missed playoffs | 0.83 | 0.83 | 0.83 |
| In playoffs | 0.9 | 0.89 | 0.9 |
| average | 0.87 | 0.87 | 0.87 |