

Linear SVM Performance:

```
> print(calculate_metrics(svm_linear_pred, features$Type))
      Precision  Recall    F1
Class: 1 0.9000000 0.9310345 0.9152542
Class: 2 0.9117647 0.8732394 0.8920863
Class: 3 0.9387755 0.9583333 0.9484536
> cat("\nRBF SVM Performance:\n")
```

RBF SVM Performance:

```
> print(calculate_metrics(svm_rbf_pred, features$Type))
      Precision  Recall    F1
Class: 1 0.9661017 0.9827586 0.9743590
Class: 2 0.9710145 0.9436620 0.9571429
Class: 3 0.9591837 0.9791667 0.9690722
> cat("\nkNN Performance:\n")
```

kNN Performance:

```
> print(calculate_metrics(knn_pred, features$Type))
      Precision  Recall    F1
Class: 1 0.9047619 0.9827586 0.9421488
Class: 2 0.9411765 0.9014085 0.9208633
Class: 3 0.9565217 0.9166667 0.9361702
>
```