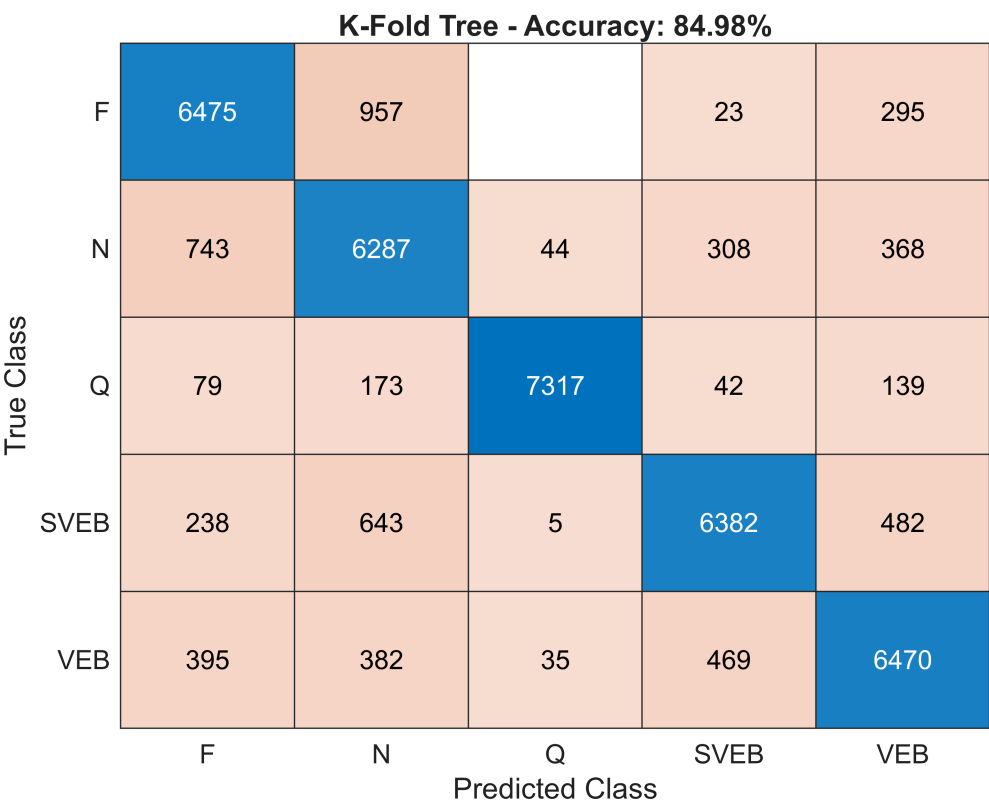


# K Fold Partition

```
S_data = array2table(X_full_bal);  
  
for i = 1:width(S_data)  
    S_data.Properties.VariableNames{i} = sprintf('Feature_%d', i);  
end  
  
S_data.Label = categorical(Y_full_bal);
```



**K-Fold NaiveBay - Accuracy: 65.74%**

True Class	F	4435	1957	440	431	487
	N	271	4737	912	1482	348
	Q	1	57	7529	107	56
	SVEB	101	1769	372	4927	581
	VEB	776	1583	326	1221	3845
		F	N	Q	SVEB	VEB
		Predicted Class				

**K-Fold Random Forest - Accuracy: 99.40%**

True Class	F	7747				3
	N	1	7654		81	14
	Q		37	7703	1	9
	SVEB	1	18	4	7715	12
	VEB	9	12		32	7698
		F	N	Q	SVEB	VEB
		Predicted Class				

S\_data is used to do K Fold Partition on the full dataset, where three models are trained and as a result, Random Forest has the highest validation accuracy with the highest test accuracy.