VALIDATION METRICS-MATRIXTERS
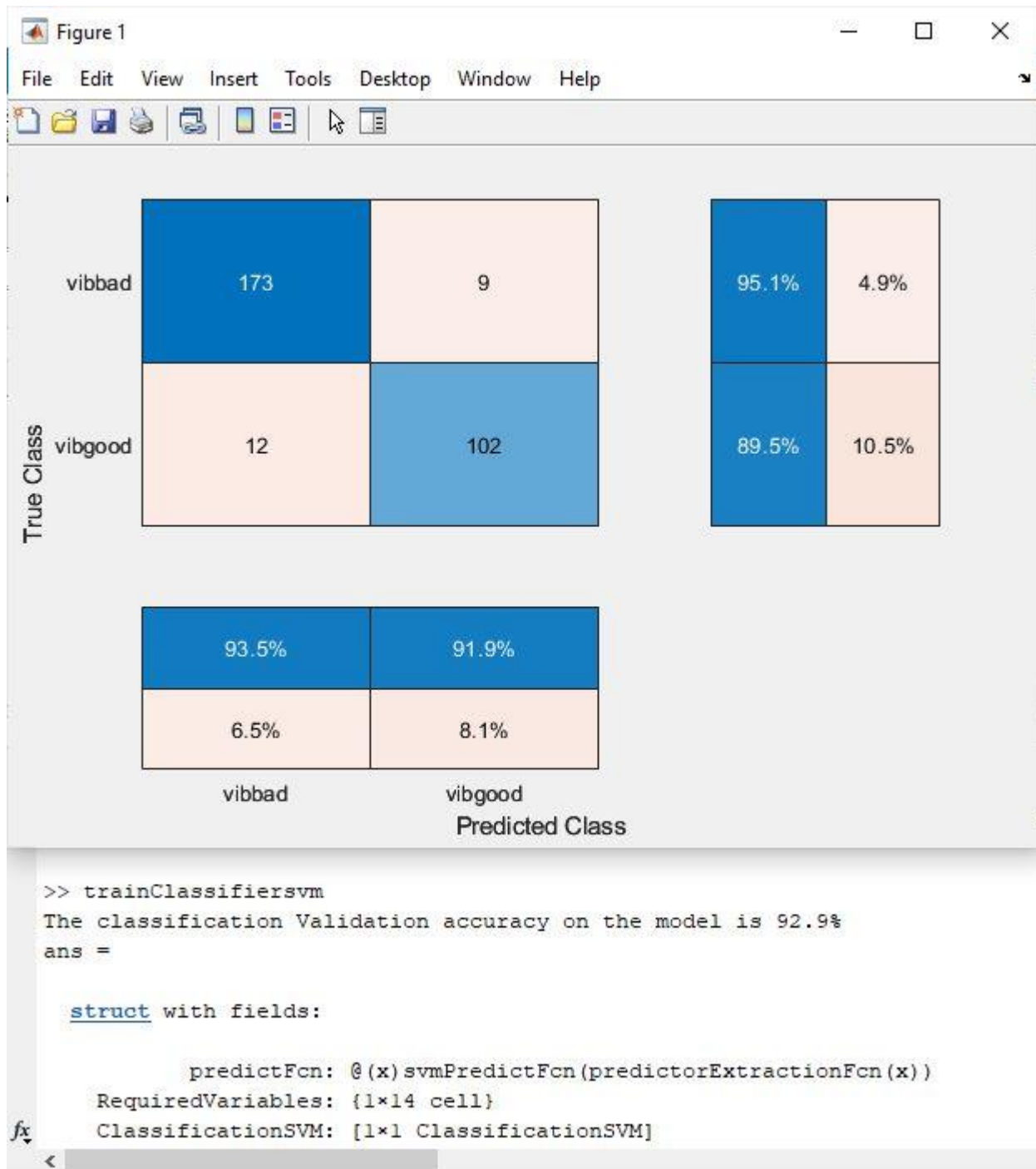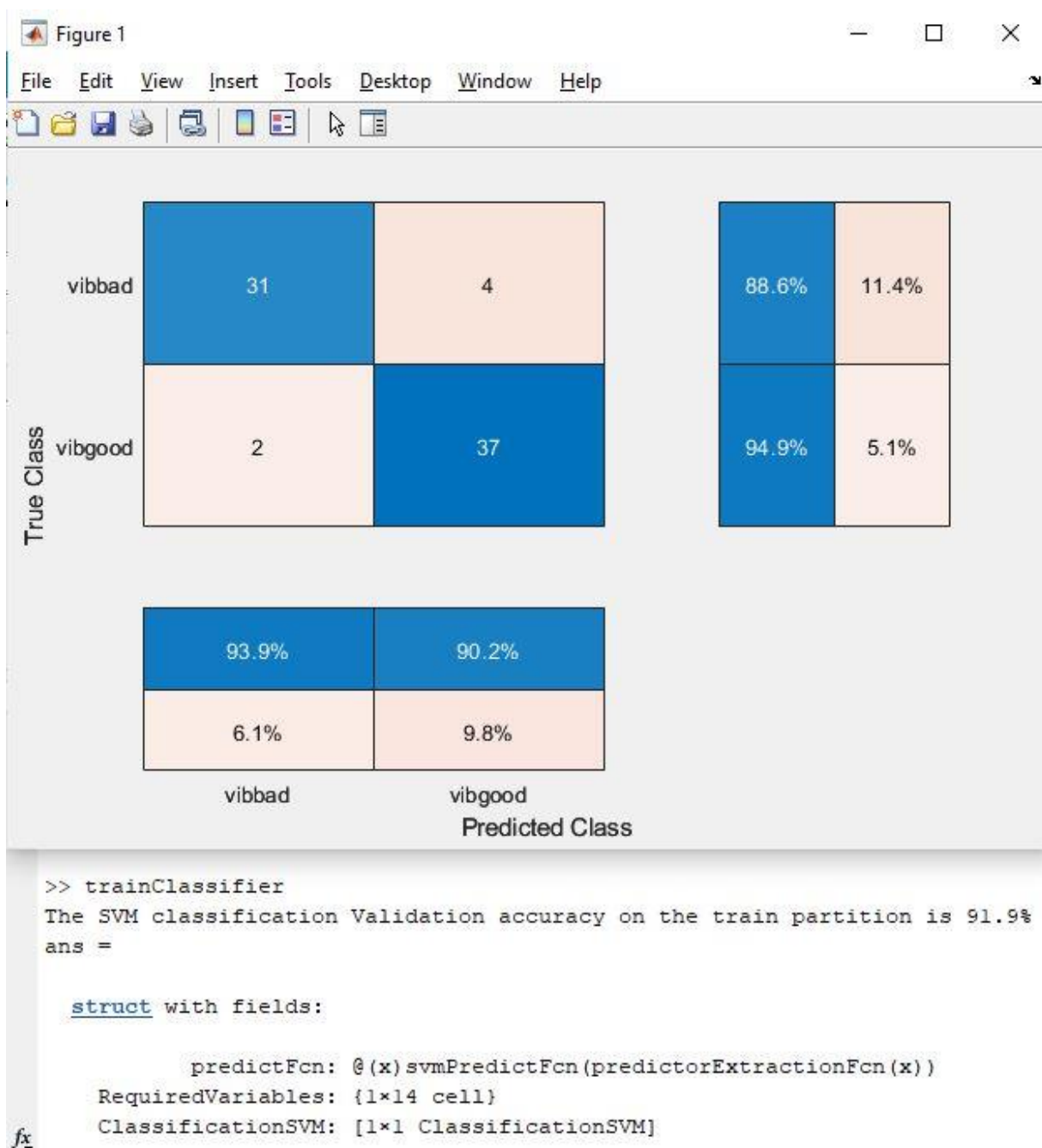
Confusion Matrix and Validation Accuracy Score

1. Vibration Analysis of Bearing (measured in g)


```
>> trainClassifiersvm
The classification Validation accuracy on the model is 92.9%
ans =

  struct with fields:

           predictFcn: @(x)svmPredictFcn(predictorExtractionFcn(x))
    RequiredVariables: {1×14 cell}
    ClassificationSVM: [1×1 ClassificationSVM]
```

```
>> trainClassifier
The SVM classification Validation accuracy on the train partition is 91.9%
ans =

  struct with fields:

        predictFcn: @(x)svmPredictFcn(predictorExtractionFcn(x))
   RequiredVariables: {1×14 cell}
   ClassificationSVM: [1×1 ClassificationSVM]
```

The classification Validation accuracy on the train model is **92%**

The classification Validation accuracy on the test model is **91%**