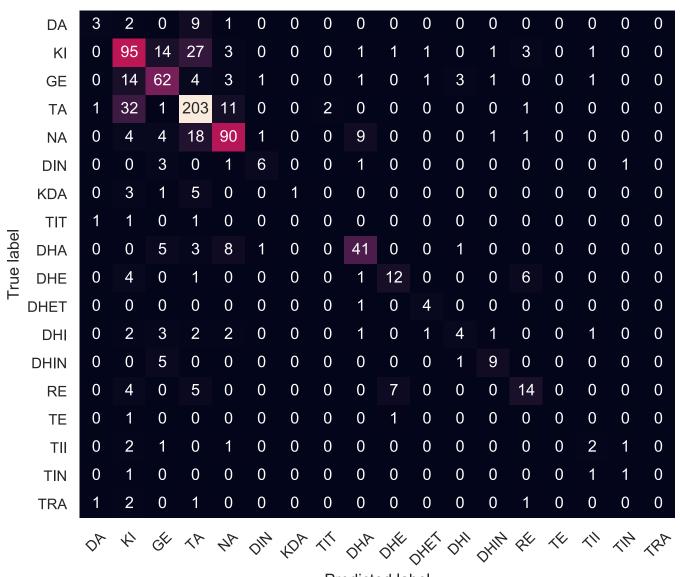


| Precision | 0.27 |
|-----------|------|
| Recall    | 0.31 |
| F1-score  | 0.28 |



# **KNN**Standard MFCCs

- 200

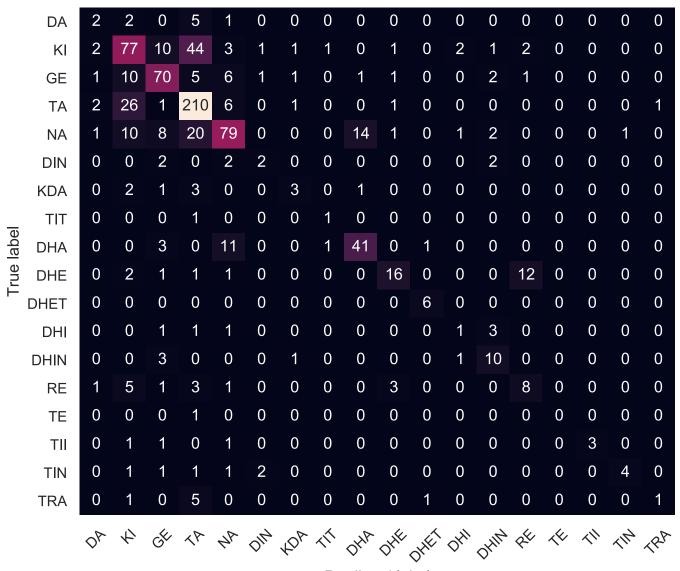
**-** 160

**-** 120

- 80

**-** 40

| Precision | 0.66 |
|-----------|------|
| Recall    | 0.66 |
| F1-score  | 0.65 |





- 200

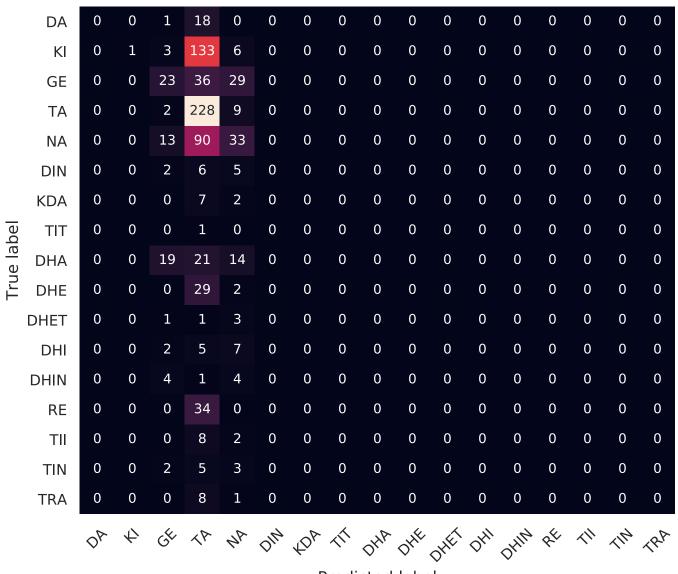
**-** 160

**-** 120

- 80

**-** 40

| Precision | 0.64 |
|-----------|------|
| Recall    | 0.65 |
| F1-score  | 0.64 |





- 200

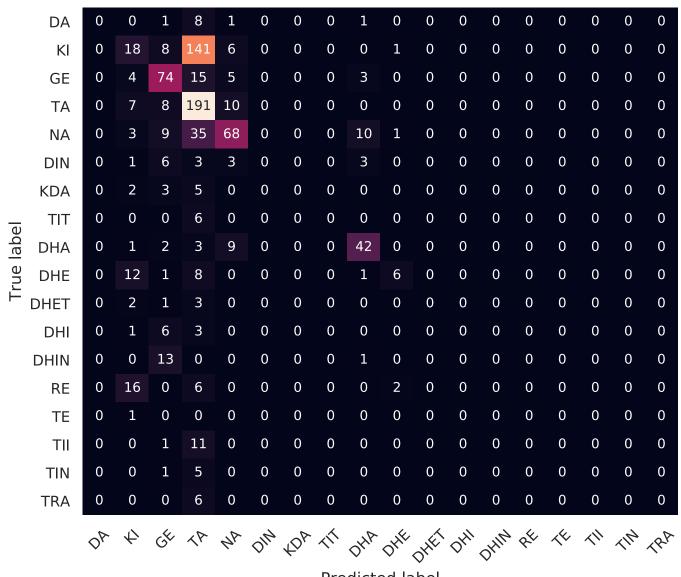
- 160

- 120

- 80

**-** 40

| Precision | 0.36 |
|-----------|------|
| Recall    | 0.35 |
| F1-score  | 0.23 |



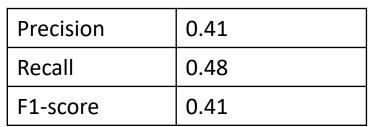
## **SVM**Standard MFCCs

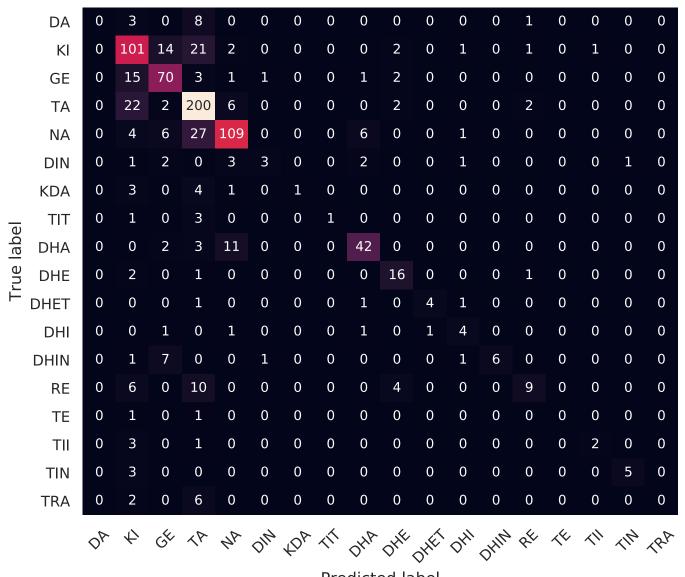
- 160

<del>-</del> 120

- 80

- 40







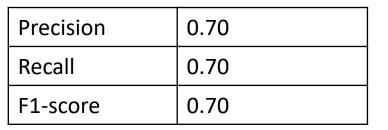
- 200

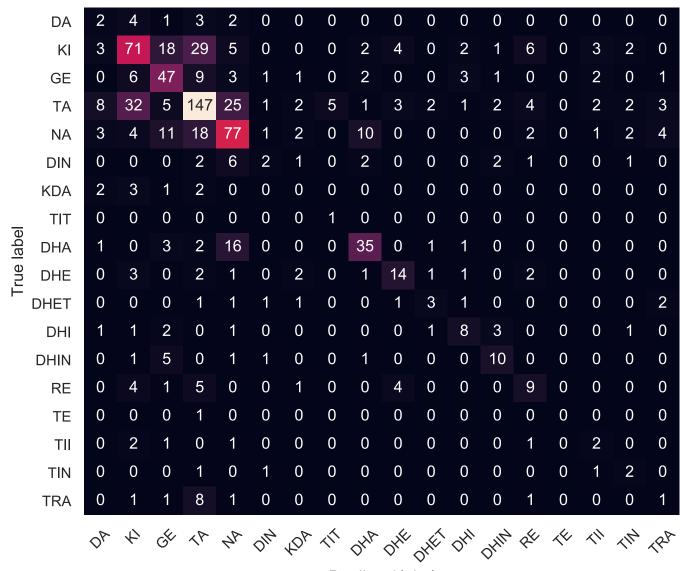
- 160

<del>-</del> 120

- 80

- 40





#### **Decision Tree**

All features

**-** 125

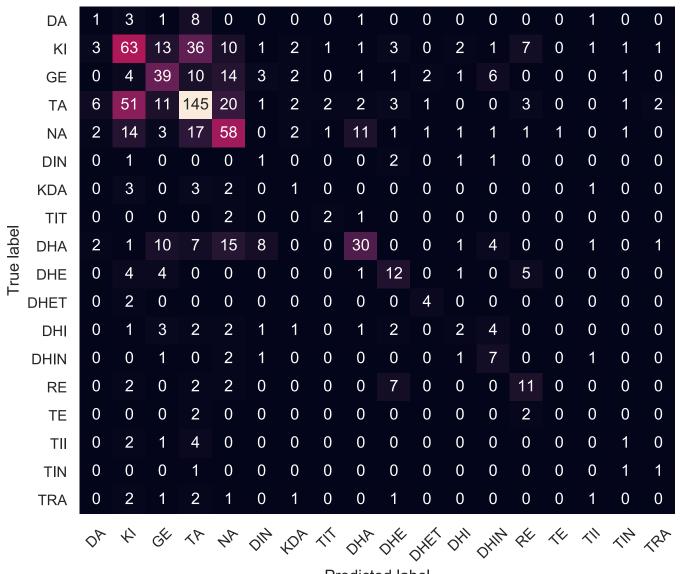
**-** 100

**-** 75

- 50

- 25

| Precision | 0.53 |
|-----------|------|
| Recall    | 0.52 |
| F1-score  | 0.53 |



#### **Decision Tree**

**Standard MFCCs** 

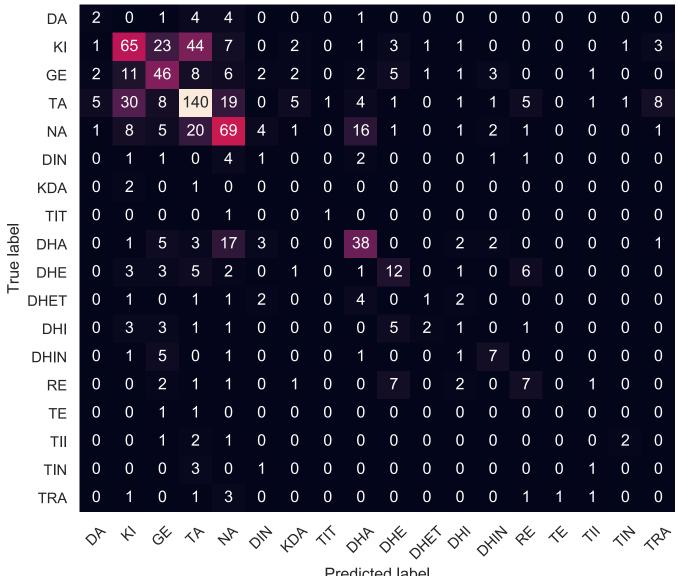
**-** 125

**-** 100

<del>-</del> 75

- 50

| Precision | 0.47 |
|-----------|------|
| Recall    | 0.46 |
| F1-score  | 0.46 |



### **Decision Tree**

**-** 125

**-** 100

<del>-</del> 75

**-** 50

- 25

HTK MFCCs + derivatives

| Precision | 0.48 |
|-----------|------|
| Recall    | 0.47 |
| F1-score  | 0.47 |