* **Decision Tree**

>> DECISION

name: 'shuffle\_ABOUT.csv'

folder: '/Users/sanaydevi/Desktop/Assignment\_3/pca\_data'

date: '12-Apr-2018 22:55:54'

bytes: 68963

isdir: 0

datenum: 7.3716e+05

For gesture : ABOUT

The sensitivity/Recall is : 9.861111e-01

The specificity is : 1

The accuracy is : 9.876543e-01

The tpr is : 9.861111e-01

The fpr is : 0

The precision is : 1

name: 'shuffle\_AND.csv'

folder: '/Users/sanaydevi/Desktop/Assignment\_3/pca\_data'

date: '12-Apr-2018 22:55:54'

bytes: 68963

isdir: 0

datenum: 7.3716e+05

For gesture : AND

The sensitivity/Recall is : 1

The specificity is : 1

The accuracy is : 1

The tpr is : 1

The fpr is : 0

The precision is : 1

name: 'shuffle\_CAN.csv'

folder: '/Users/sanaydevi/Desktop/Assignment\_3/pca\_data'

date: '12-Apr-2018 22:55:54'

bytes: 68963

isdir: 0

datenum: 7.3716e+05

For gesture : CAN

The sensitivity/Recall is : 9.600000e-01

The specificity is : 8.333333e-01

The accuracy is : 9.506173e-01

The tpr is : 9.600000e-01

The fpr is : 1.666667e-01

The precision is : 9.863014e-01

name: 'shuffle\_COP.csv'

folder: '/Users/sanaydevi/Desktop/Assignment\_3/pca\_data'

date: '12-Apr-2018 22:55:54'

bytes: 68963

isdir: 0

datenum: 7.3716e+05

For gesture : COP

The sensitivity/Recall is : 9.859155e-01

The specificity is : 1

The accuracy is : 9.876543e-01

The tpr is : 9.859155e-01

The fpr is : 0

The precision is : 1

name: 'shuffle\_DEAF.csv'

folder: '/Users/sanaydevi/Desktop/Assignment\_3/pca\_data'

date: '12-Apr-2018 22:55:54'

bytes: 68963

isdir: 0

datenum: 7.3716e+05

For gesture : DEAF

The sensitivity/Recall is : 1

The specificity is : 7.142857e-01

The accuracy is : 9.753086e-01

The tpr is : 1

The fpr is : 2.857143e-01

The precision is : 9.736842e-01

name: 'shuffle\_DECIDE.csv'

folder: '/Users/sanaydevi/Desktop/Assignment\_3/pca\_data'

date: '12-Apr-2018 22:55:54'

bytes: 68963

isdir: 0

datenum: 7.3716e+05

For gesture : DECIDE

The sensitivity/Recall is : 9.861111e-01

The specificity is : 8.888889e-01

The accuracy is : 9.753086e-01

The tpr is : 9.861111e-01

The fpr is : 1.111111e-01

The precision is : 9.861111e-01

name: 'shuffle\_FATHER.csv'

folder: '/Users/sanaydevi/Desktop/Assignment\_3/pca\_data'

date: '12-Apr-2018 22:55:54'

bytes: 68963

isdir: 0

datenum: 7.3716e+05

For gesture : FATHER

The sensitivity/Recall is : 9.722222e-01

The specificity is : 6.666667e-01

The accuracy is : 9.382716e-01

The tpr is : 9.722222e-01

The fpr is : 3.333333e-01

The precision is : 9.589041e-01

name: 'shuffle\_FIND.csv'

folder: '/Users/sanaydevi/Desktop/Assignment\_3/pca\_data'

date: '12-Apr-2018 22:55:54'

bytes: 68963

isdir: 0

datenum: 7.3716e+05

For gesture : FIND

The sensitivity/Recall is : 1

The specificity is : 8.750000e-01

The accuracy is : 9.876543e-01

The tpr is : 1

The fpr is : 1.250000e-01

The precision is : 9.864865e-01

name: 'shuffle\_GOOUT.csv'

folder: '/Users/sanaydevi/Desktop/Assignment\_3/pca\_data'

date: '12-Apr-2018 22:55:54'

bytes: 68963

isdir: 0

datenum: 7.3716e+05

For gesture : GOOUT

The sensitivity/Recall is : 9.736842e-01

The specificity is : 1

The accuracy is : 9.753086e-01

The tpr is : 9.736842e-01

The fpr is : 0

The precision is : 1

name: 'shuffle\_HEARING.csv'

folder: '/Users/sanaydevi/Desktop/Assignment\_3/pca\_data'

date: '12-Apr-2018 22:55:54'

bytes: 68963

isdir: 0

datenum: 7.3716e+05

For gesture : HEARING

The sensitivity/Recall is : 9.577465e-01

The specificity is : 7.000000e-01

The accuracy is : 9.259259e-01

The tpr is : 9.577465e-01

The fpr is : 3.000000e-01

The precision is : 9.577465e-01

* **Neural Network**

For Gesture : ABOUT

The Accuracy is : 100

The Precision is : 100

The Recall is : 100

The f1 Score is : 100

For Gesture : AND

The Accuracy is : 100

The Precision is : 100

The Recall is : 100

The f1 Score is : 100

For Gesture : CAN

The Accuracy is : 100

The Precision is : 100

The Recall is : 100

The f1 Score is : 100

For Gesture : COP

The Accuracy is : 100

The Precision is : 100

The Recall is : 100

The f1 Score is : 100

For Gesture : GOOUT

The Accuracy is : 9.875000e+01

The Precision is : 100

The Recall is : 8.333333e+01

The f1 Score is : 9.090909e+01

For Gesture : DEAF

The Accuracy is : 100

The Precision is : 100

The Recall is : 100

The f1 Score is : 100

For Gesture : DECIDE

The Accuracy is : 100

The Precision is : 100

The Recall is : 100

The f1 Score is : 100

For Gesture : FATHER

The Accuracy is : 100

The Precision is : 100

The Recall is : 100

The f1 Score is : 100

For Gesture : FIND

The Accuracy is : 100

The Precision is : 100

The Recall is : 100

The f1 Score is : 100

For Gesture : HEARING

The Accuracy is : 9.855072e+01

The Precision is : 100

The Recall is : 9.855072e+01

The f1 Score is : 9.927007e+01

* **SVM**

Confusion Matrix : ABOUT

70 0

0 10

For Gesture : ABOUT

The Accuracy is : 100

The Precision is : 100

The Recall is : 100

The f1Score is : 100

Confusion Matrix : AND

70 0

0 10

For Gesture : AND

The Accuracy is : 100

The Precision is : 100

The Recall is : 100

The f1Score is : 100

Confusion Matrix : CAN

69 0

0 11

For Gesture : CAN

The Accuracy is : 100

The Precision is : 100

The Recall is : 100

The f1Score is : 100

Confusion Matrix : COP

69 0

0 11

For Gesture : COP

The Accuracy is : 100

The Precision is : 100

The Recall is : 100

The f1Score is : 100

Confusion Matrix : DEAF

72 0

0 8

For Gesture : DEAF

The Accuracy is : 100

The Precision is : 100

The Recall is : 100

The f1Score is : 100

Confusion Matrix : DECIDE

74 0

0 6

For Gesture : DECIDE

The Accuracy is : 100

The Precision is : 100

The Recall is : 100

The f1Score is : 100

Confusion Matrix : FATHER

72 0

0 8

For Gesture : FATHER

The Accuracy is : 100

The Precision is : 100

The Recall is : 100

The f1Score is : 100

Confusion Matrix : FIND

73 0

0 7

For Gesture : FIND

The Accuracy is : 100

The Precision is : 100

The Recall is : 100

The f1Score is : 100

Confusion Matrix : GOOUT

73 1

0 6

For Gesture : GOOUT

The Accuracy is : 9.875000e+01

The Precision is : 8.571429e+01

The Recall is : 100

The f1Score is : 9.230769e+01

Confusion Matrix : HEARING

75 0

0 5

For Gesture : HEARING

The Accuracy is : 100

The Precision is : 100

The Recall is : 100

The f1Score is : 100