Prediction for 12 session

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Random Forest

#12 session

Prediction

session1

subject s002 is predicted 3 times out of 9 time .The accuracy is 33.3% Table1 for number of times each subject predicted is given below:

```
## s002
##    1

##      Predicted
## s002         3
## s003         0
## s004         1
## s005         0
## s007         0
## s008         0
## s010         0
## s011         0
## s012         0
## s013         0
## s015         0
## s016         1
## s017         0
## s018         0
## s019         0
## s020         1
## s021         0
## s022         0
## s024         0
## s025         0
## s026         0
## s027         0
## s028         0
## s029         0
## s030         0
## s031         1
## s032         0
## s033         0
## s034         0
## s035         0
```

```
## s036          0
## s037          0
## s038          0
## s039          1
## s040          0
## s041          0
## s042          0
## s043          0
## s044          0
## s046          0
## s047          0
## s048          0
## s049          0
## s050          0
## s051          0
## s052          0
## s053          0
## s054          0
## s055          0
## s056          0
## s057          1
```

```
## [1] 0.3333333
```

#session2

In session 2 subject s008 was predicted .The accuracy is 50% Table for number of times each subject predicted is given below:

```
## s008
##    6
```

```
##       Predicted
## s002          0
## s003          0
## s004          0
## s005          0
## s007          0
## s008          3
## s010          0
## s011          0
## s012          0
## s013          0
## s015          0
## s016          0
## s017          0
## s018          0
## s019          0
## s020          1
## s021          0
## s022          0
## s024          0
## s025          0
## s026          0
## s027          0
## s028          0
```

```
## s029          0
## s030          0
## s031          0
## s032          0
## s033          0
## s034          0
## s035          0
## s036          0
## s037          0
## s038          0
## s039          0
## s040          0
## s041          0
## s042          0
## s043          0
## s044          0
## s046          0
## s047          0
## s048          0
## s049          0
## s050          0
## s051          0
## s052          0
## s053          0
## s054          0
## s055          0
## s056          2
## s057          0
```

```
## [1] 0.5
```

#session3

In session 3 subject s020 was predicted .The accuracy is 70% Table for number of times each subject predicted is given below:

```
## s020
##   16
```

```
##      Predicted
## s002         0
## s003         0
## s004         0
## s005         0
## s007         0
## s008         0
## s010         0
## s011         0
## s012         0
## s013         0
## s015         0
## s016         1
## s017         0
## s018         1
## s019         0
## s020         7
```

```
## s021          0
## s022          0
## s024          0
## s025          0
## s026          0
## s027          0
## s028          0
## s029          0
## s030          0
## s031          0
## s032          0
## s033          0
## s034          0
## s035          0
## s036          0
## s037          0
## s038          0
## s039          0
## s040          1
## s041          0
## s042          0
## s043          0
## s044          0
## s046          0
## s047          0
## s048          0
## s049          0
## s050          0
## s051          0
## s052          0
## s053          0
## s054          0
## s055          0
## s056          0
## s057          0
```

```
## [1] 0.7
```

session 4

In session 4 subject s024 was predicted .The accuracy is 93.75% Table for number of times each subject predicted is given below:

```
## s024
##   19
```

```
##      Predicted
## s002          0
## s003          0
## s004          0
## s005          0
## s007          0
## s008          0
## s010          0
```

```
## s011         0
## s012         0
## s013         0
## s015         0
## s016         0
## s017         0
## s018         0
## s019         0
## s020         0
## s021         0
## s022         0
## s024        15
## s025         0
## s026         0
## s027         0
## s028         0
## s029         0
## s030         0
## s031         0
## s032         0
## s033         0
## s034         0
## s035         0
## s036         0
## s037         0
## s038         0
## s039         0
## s040         0
## s041         0
## s042         0
## s043         0
## s044         1
## s046         0
## s047         0
## s048         0
## s049         0
## s050         0
## s051         0
## s052         0
## s053         0
## s054         0
## s055         0
## s056         0
## s057         0
```

```
## [1] 0.9375
```

session 5

In session 5 subject s034 was predicted .The accuracy is 20% Table for number of times each subject predicted is given below:

```
## s034
```

```
##    29

##       Predicted
## s002         0
## s003         0
## s004         0
## s005         0
## s007         0
## s008         0
## s010         0
## s011         0
## s012         0
## s013         1
## s015         0
## s016         1
## s017         0
## s018         0
## s019         0
## s020         0
## s021         0
## s022         0
## s024         0
## s025         1
## s026         0
## s027         1
## s028         0
## s029         0
## s030         0
## s031         1
## s032         0
## s033         0
## s034         2
## s035         0
## s036         0
## s037         1
## s038         1
## s039         0
## s040         0
## s041         0
## s042         0
## s043         0
## s044         0
## s046         0
## s047         0
## s048         1
## s049         0
## s050         0
## s051         0
## s052         0
## s053         0
## s054         0
## s055         0
## s056         0
## s057         0
```

```
## [1] 0.2
```

session 6

In session 6 subject s036 was predicted .The accuracy is 100% Table for number of times each subject predicted is given below:

```
## s036
##   31

##       Predicted
## s002         0
## s003         0
## s004         0
## s005         0
## s007         0
## s008         0
## s010         0
## s011         0
## s012         0
## s013         0
## s015         0
## s016         0
## s017         0
## s018         0
## s019         0
## s020         0
## s021         0
## s022         0
## s024         0
## s025         0
## s026         0
## s027         0
## s028         0
## s029         0
## s030         0
## s031         0
## s032         0
## s033         0
## s034         0
## s035         0
## s036         8
## s037         0
## s038         0
## s039         0
## s040         0
## s041         0
## s042         0
## s043         0
## s044         0
## s046         0
## s047         0
## s048         0
```

```
## s049        0
## s050        0
## s051        0
## s052        0
## s053        0
## s054        0
## s055        0
## s056        0
## s057        0

## [1] 1
```

session 7

In session 7 subject s039 was predicted .The accuracy is 63% Table for number of times each subject predicted is given below:

```
## s039
##   34

##      Predicted
## s002        0
## s003        0
## s004        0
## s005        0
## s007        0
## s008        0
## s010        0
## s011        0
## s012        0
## s013        0
## s015        0
## s016        3
## s017        0
## s018        0
## s019        0
## s020        0
## s021        0
## s022        0
## s024        0
## s025        0
## s026        0
## s027        0
## s028        0
## s029        0
## s030        0
## s031        0
## s032        0
## s033        0
## s034        0
## s035        0
## s036        0
## s037        0
## s038        0
```

```
## s039         12
## s040          0
## s041          0
## s042          0
## s043          0
## s044          0
## s046          3
## s047          1
## s048          0
## s049          0
## s050          0
## s051          0
## s052          0
## s053          0
## s054          0
## s055          0
## s056          0
## s057          0

## [1] 0.6315789
```

session 8

In session 8 subject s042 was predicted .The accuracy is 80% Table for number of times each subject predicted is given below:

```
## s042
##   37

##       Predicted
## s002          0
## s003          0
## s004          0
## s005          0
## s007          0
## s008          0
## s010          0
## s011          0
## s012          0
## s013          0
## s015          0
## s016          0
## s017          0
## s018          0
## s019          0
## s020          0
## s021          0
## s022          0
## s024          0
## s025          0
## s026          0
## s027          0
## s028          0
## s029          0
```

```
## s030          0
## s031          0
## s032          0
## s033          0
## s034          0
## s035          0
## s036          0
## s037          0
## s038          0
## s039          0
## s040          0
## s041          0
## s042          4
## s043          0
## s044          1
## s046          0
## s047          0
## s048          0
## s049          0
## s050          0
## s051          0
## s052          0
## s053          0
## s054          0
## s055          0
## s056          0
## s057          0
```

```
## [1] 0.8
```

session 9

In session 9 subject s026 was predicted .The accuracy is 33.33% Table for number of times each subject predicted is given below:

```
## s026
##   21
```

```
##       Predicted
## s002          0
## s003          0
## s004          0
## s005          0
## s007          0
## s008          0
## s010          0
## s011          0
## s012          0
## s013          0
## s015          0
## s016          0
## s017          0
## s018          0
## s019          0
```

```
## s020         0
## s021         0
## s022         0
## s024         0
## s025         0
## s026         2
## s027         0
## s028         0
## s029         0
## s030         0
## s031         2
## s032         0
## s033         0
## s034         0
## s035         0
## s036         0
## s037         0
## s038         0
## s039         0
## s040         0
## s041         0
## s042         1
## s043         0
## s044         0
## s046         0
## s047         1
## s048         0
## s049         0
## s050         0
## s051         0
## s052         0
## s053         0
## s054         0
## s055         0
## s056         0
## s057         0

## [1] 0.3333333
```

session 10

In session 10 subject s022 was predicted .The accuracy is 71.42857% Table for number of times each subject predicted is given below:

```
## s022
##   18

##      Predicted
## s002         0
## s003         0
## s004         0
## s005         0
## s007         0
## s008         0
```

```
## s010         0
## s011         0
## s012         0
## s013         0
## s015         0
## s016         0
## s017         0
## s018         0
## s019         0
## s020         0
## s021         0
## s022         5
## s024         0
## s025         0
## s026         0
## s027         0
## s028         0
## s029         0
## s030         0
## s031         0
## s032         0
## s033         0
## s034         0
## s035         0
## s036         0
## s037         0
## s038         0
## s039         0
## s040         0
## s041         0
## s042         0
## s043         2
## s044         0
## s046         0
## s047         0
## s048         0
## s049         0
## s050         0
## s051         0
## s052         0
## s053         0
## s054         0
## s055         0
## s056         0
## s057         0

## [1] 0.7142857
```

session 11

In session 11 subject s044 was predicted .The accuracy is 78% Table for number of times each subject predicted is given below:

```
## s044
##   39

##      Predicted
## s002        0
## s003        0
## s004        0
## s005        0
## s007        0
## s008        0
## s010        0
## s011        0
## s012        0
## s013        0
## s015        0
## s016        0
## s017        0
## s018        0
## s019        0
## s020        0
## s021        0
## s022        0
## s024        5
## s025        0
## s026        0
## s027        0
## s028        1
## s029        0
## s030        0
## s031        0
## s032        0
## s033        0
## s034        0
## s035        0
## s036        5
## s037        0
## s038        0
## s039        0
## s040        0
## s041        0
## s042        0
## s043        0
## s044       39
## s046        0
## s047        0
## s048        0
## s049        0
## s050        0
## s051        0
## s052        0
## s053        0
## s054        0
## s055        0
## s056        0
```

```
## s057         0
```

```
## [1] 0.78
```

Session 12

In session 12 subject s048 was predicted .The accuracy is 25 % Table for number of times each subject predicted is given below:

```
## s048
##   42
```

```
##      Predicted
## s002         0
## s003         0
## s004         0
## s005         0
## s007         0
## s008         0
## s010         0
## s011         0
## s012         0
## s013         0
## s015         0
## s016         5
## s017         0
## s018         0
## s019         0
## s020         0
## s021         0
## s022         0
## s024         0
## s025         5
## s026         6
## s027         0
## s028         0
## s029         0
## s030         0
## s031         0
## s032         0
## s033         0
## s034         0
## s035         0
## s036         0
## s037         2
## s038         1
## s039         0
## s040         0
## s041         0
## s042         0
## s043         0
## s044         0
## s046         1
## s047         1
```

```
## s048         7
## s049         0
## s050         0
## s051         0
## s052         0
## s053         0
## s054         0
## s055         0
## s056         0
## s057         0

## [1] 0.25
```

Prediction Table

Table 1: Table for prediction Acuracy

sessionIndex	predicted	Accuracy
1	s002	33.33333
2	s008	50.00000
3	s020	70.00000
4	s024	93.75000
5	s034	20.00000
6	s036	100.00000
7	s039	15.78947
8	s042	80.00000
9	s031	33.33333
10	s022	71.42857
11	s044	78.00000
12	s048	25.00000