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	
шш		D
##	-000	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
                 0
## s048
## s049
                 0
                 0
## s050
## s051
                 0
## s052
                 0
## s053
                 0
## s054
                 0
## s055
                 0
## s056
                 0
## s057
                 1
## [1] 0.3333333
```

#session2

s008

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

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

s026

s027

s028

0 0

```
## s029
## s030
                 0
## s031
                 0
## s032
                 0
## s033
                 0
## s034
                 0
## s035
                 0
## s036
                 0
## s037
                 0
## s038
                 0
## s039
                 0
## s040
                 0
## s041
                 0
                 0
## s042
## s043
                 0
## s044
                 0
## s046
                 0
## s047
## s048
                 0
## s049
                 0
## s050
                 0
## s051
## s052
                 0
## s053
                 0
## s054
                 0
## s055
                 0
## s056
                 2
## s057
## [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 ## s003 0 ## s004 0 ## s005 0 ## s007 0 ## s008 0 ## s010 0 0 ## s011 ## s012 0 ## s013 0 ## s015 ## s016 1

1

7

s017 ## s018

s019 ## s020

```
## 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
                 0
## s035
## s036
                 0
## s037
                 0
## s038
                 0
## s039
                 0
## s040
                 1
## s041
                 0
## s042
                 0
## s043
                 0
## s044
                 0
## s046
                 0
                 0
## s047
## s048
                 0
## s049
                 0
## s050
                 0
                 0
## s051
## s052
                 0
## s053
                 0
## s054
                 0
## s055
                 0
## s056
                 0
## s057
## [1] 0.7
```

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
                 0
## s005
## s007
                 0
## s008
                 0
## s010
                 0
```

```
## s011
## s012
                 0
## s013
                 0
## s015
                 0
## s016
                 0
## s017
                 0
## s018
                 0
## s019
                 0
## s020
                 0
## s021
                 0
## s022
                 0
## s024
                15
## s025
                 0
                 0
## s026
## s027
                 0
## s028
                 0
## s029
                 0
## s030
## s031
                 0
## s032
                 0
## s033
                 0
## s034
## s035
                 0
## s036
                 0
                 0
## s037
## s038
                 0
## s039
                 0
## s040
                 0
                 0
## s041
## s042
                 0
## s043
                 0
## s044
                 1
## s046
                 0
                 0
## s047
## s048
                 0
## s049
                 0
## s050
## s051
                 0
## s052
## s053
                 0
## s054
                 0
## s055
## s056
                 0
## s057
                 0
## [1] 0.9375
```

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 s031	0
## ##	s031	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 s057	0
##	1600	U

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

```
## s049
## s050
                 0
## s051
                 0
## s052
                 0
## s053
                 0
## s054
                 0
## s055
                 0
## s056
                 0
## s057
                 0
## [1] 1
```

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

```
## s039
                12
                 0
## s040
## s041
                 0
## s042
                 0
## s043
                 0
## s044
                 0
## s046
                 3
## s047
                 1
## s048
                 0
## s049
                 0
## s050
                 0
## s051
                 0
## s052
                 0
                 0
## s053
## s054
                 0
## s055
                 0
## s056
                 0
## s057
## [1] 0.6315789
```

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

```
## s030
## s031
                 0
## s032
                 0
## s033
                 0
## s034
                 0
## s035
                 0
## s036
                 0
## s037
                 0
## s038
                 0
## s039
                 0
## s040
                 0
                 0
## s041
## s042
                 4
## s043
## s044
                 1
## s046
## s047
                 0
## s048
## s049
                 0
## s050
                 0
## s051
                 0
## s052
## s053
                 0
## s054
                 0
                 0
## s055
## s056
                 0
## s057
                 0
## [1] 0.8
```

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

```
## s020
                 0
## s021
                 0
## s022
                 0
## s024
                 0
## s025
                 0
## s026
                 2
## s027
                 0
## s028
                 0
## s029
                 0
## s030
                 0
                 2
## s031
## s032
                 0
## s033
                 0
                 0
## s034
## s035
                 0
## s036
                 0
## s037
                 0
## s038
                 0
## s039
## s040
                 0
## s041
                 0
## s042
## s043
                 0
## s044
                 0
                 0
## s046
## s047
                 1
## s048
                 0
## s049
                 0
                 0
## s050
## s051
                 0
## s052
                 0
## s053
                 0
## s054
                 0
                 0
## s055
## s056
                 0
## s057
## [1] 0.3333333
```

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
                 0
## s004
## s005
                 0
## s007
                 0
## s008
```

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

[1] 0.7142857

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 s026	0
##	s020	0
##	s027	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 s054	0
## ##	s054	0
##	s056	0
π#	2000	U

```
## 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 0 ## s005 ## s007 0 0 ## s008 ## s010 0 ## s011 0 0 ## s012 ## s013 0 0 ## s015 ## 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 0 ## s043 ## s044 0 ## s046 1 ## s047 1

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