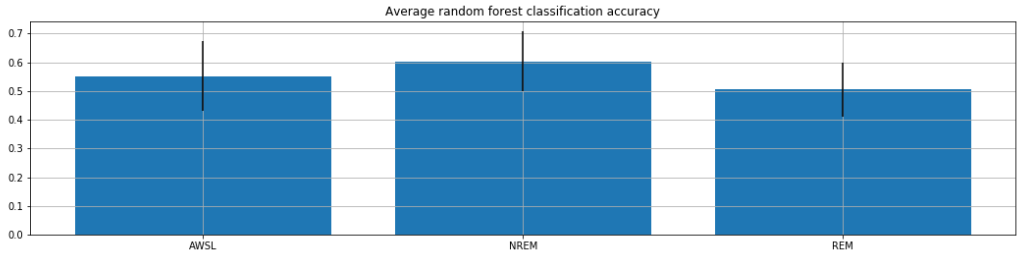
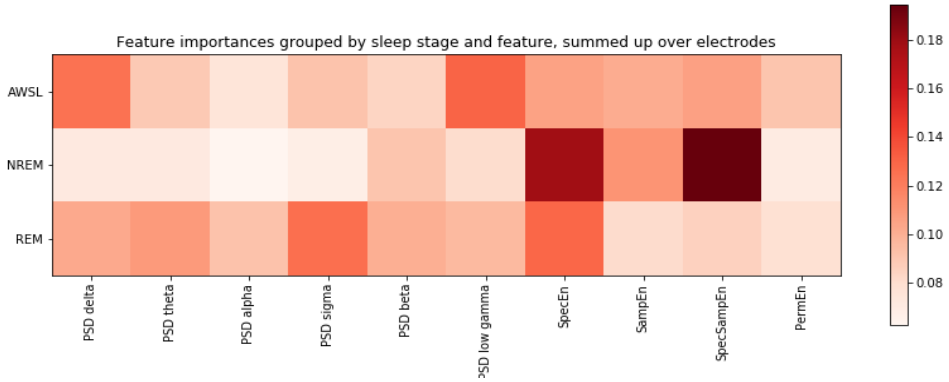
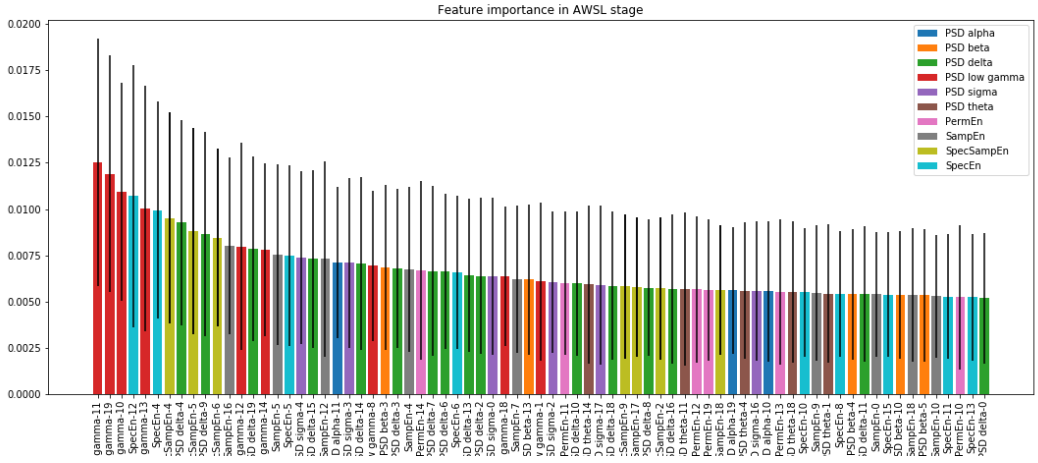
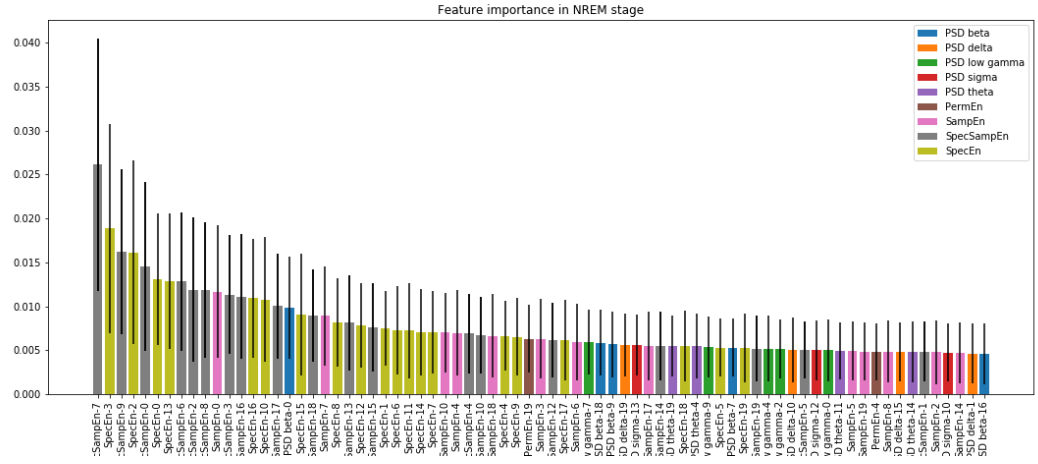
CAF 200 multi feature random forest

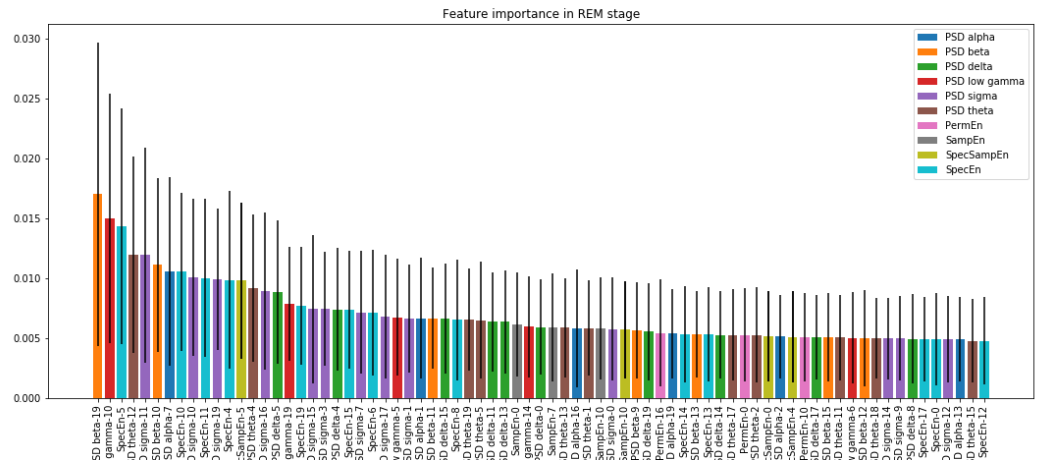
1000 iterations, multi-electrode, multi-feature

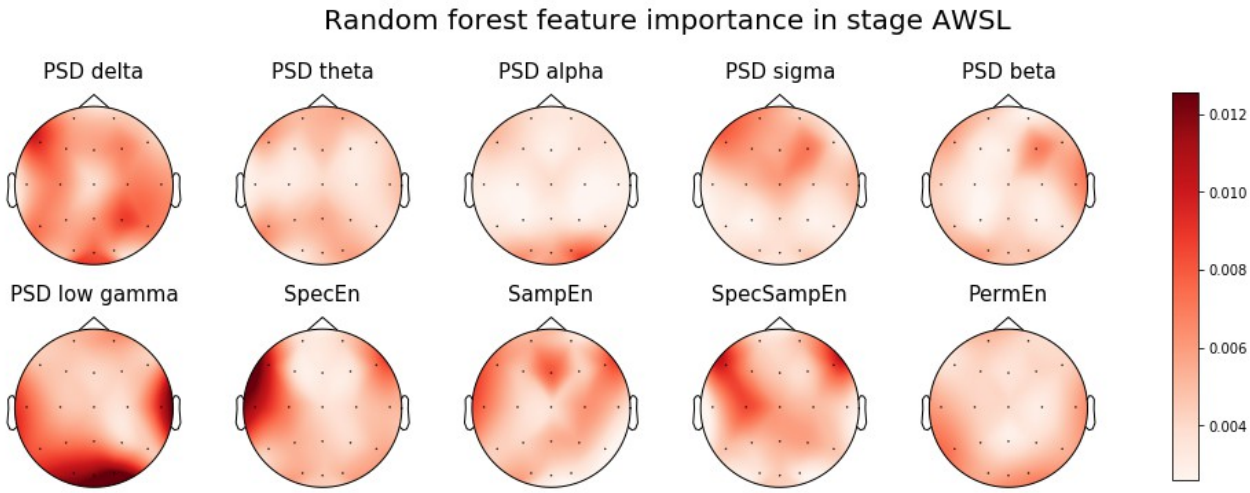


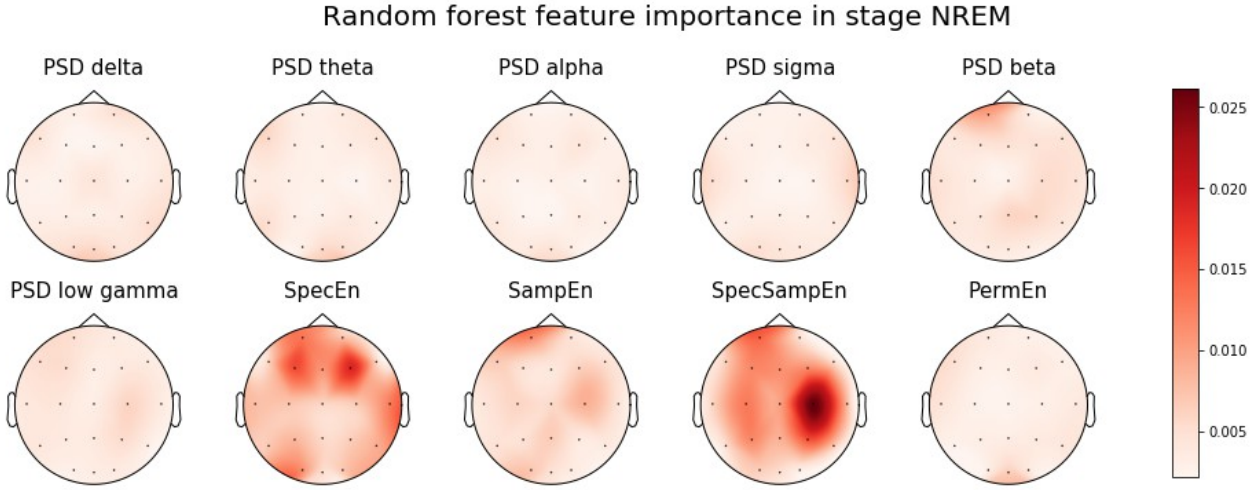


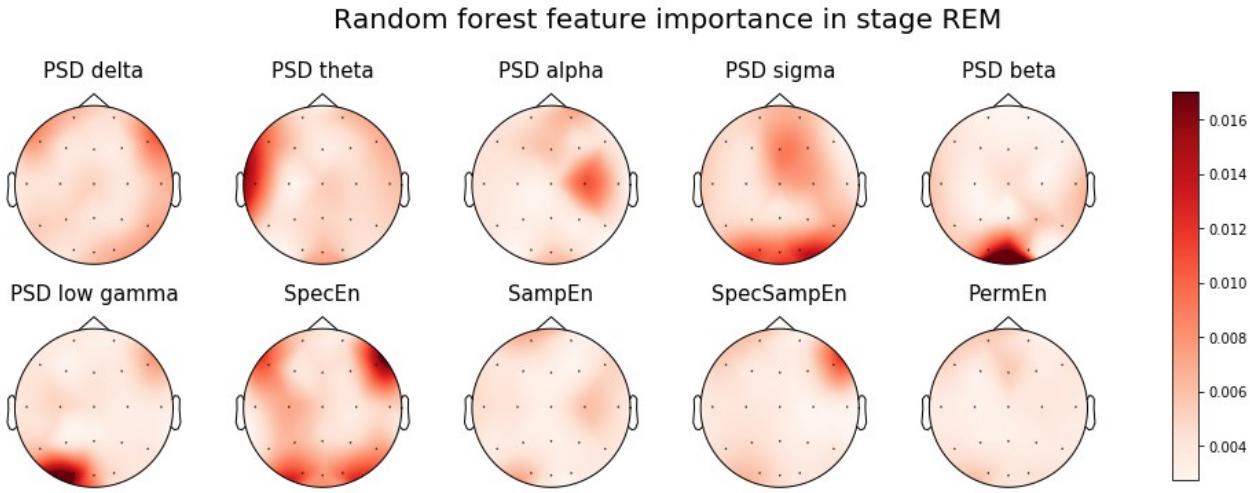

Feature importance in AWSL stage
PSD alpha
PSD beta
PSD delta
PSD low gamma
PSD sigma
PSD theta
PermEn
SampEn
SpecSampEn
SpecEn


Feature importance in NREM stage
PSD beta
PSD delta
PSD low gamma
PSD sigma
PSD theta
PermEn
SampEn
SpecSampEn
SpecEn


Feature importance in REM stage
PSD alpha
PSD beta
PSD delta
PSD low gamma
PSD sigma
PSD theta
PermEn
SampEn
SpecSampEn
SpecEn

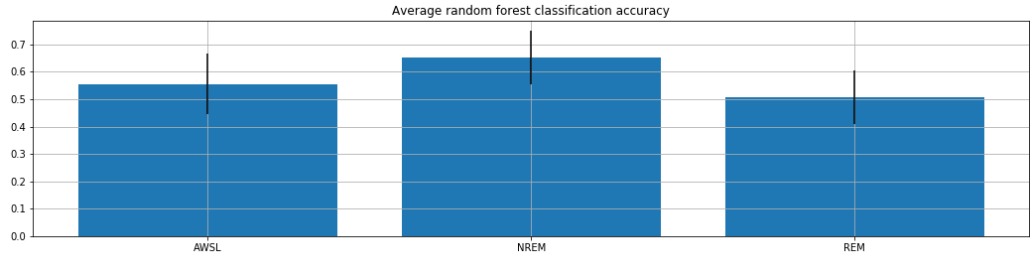

Random forest feature importance in stage AWSL
PSD delta
PSD theta
PSD alpha
PSD sigma
PSD beta
PSD low gamma
SpecEn
SampEn
SpecSampEn
PermEn
0.012
0.010
0.008
0.006
0.004

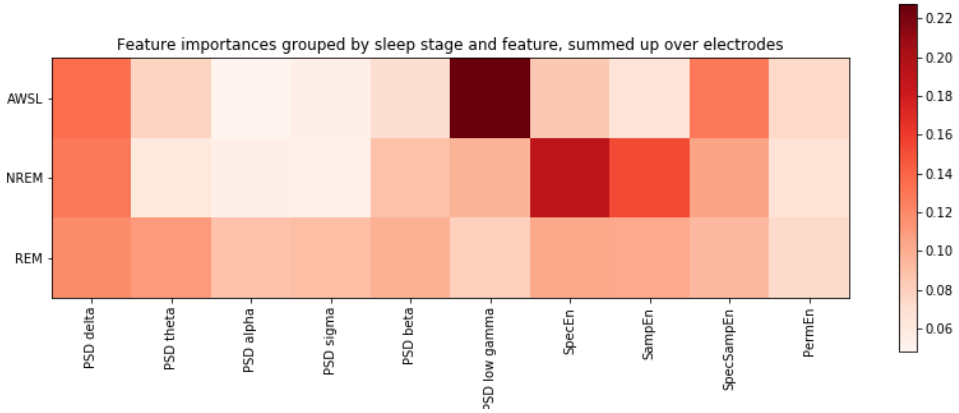

Random forest feature importance in stage NREM
PSD delta
PSD theta
PSD alpha
PSD sigma
PSD beta
PSD low gamma
SpecEn
SampEn
SpecSampEn
PermEn
0.025
0.020
0.015
0.010
0.005

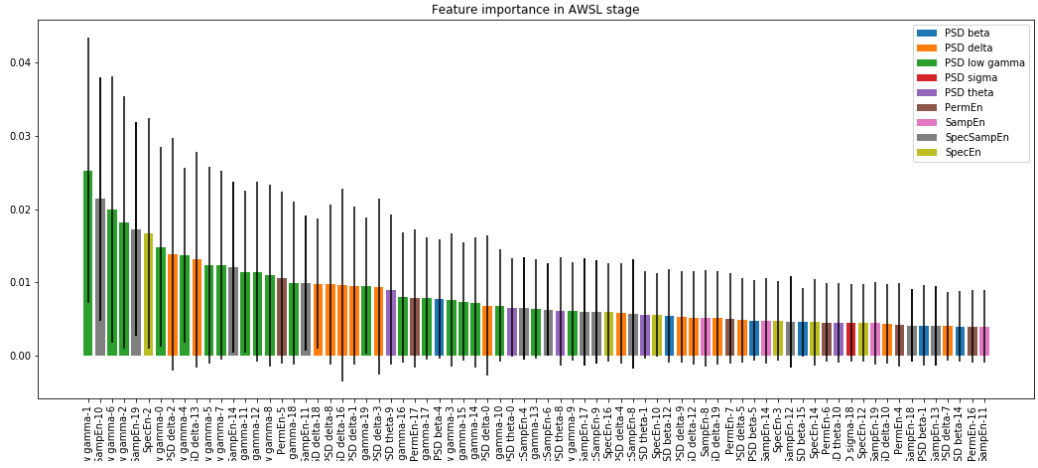

Random forest feature importance in stage REM
PSD delta
PSD theta
PSD alpha
PSD sigma
PSD beta
PSD low gamma
SpecEn
SampEn
SpecSampEn
PermEn
0.016
0.014
0.012
0.010
0.008
0.006
0.004

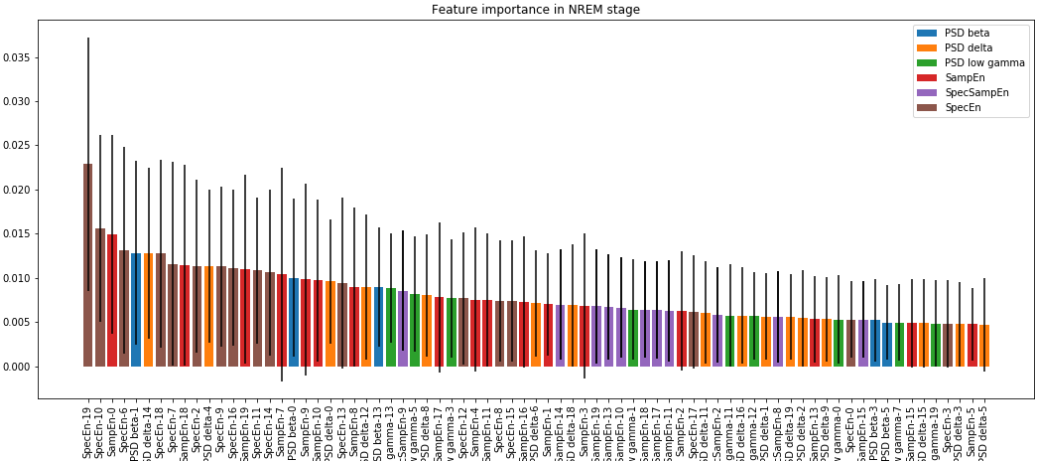
CAF 400 multi feature random forest

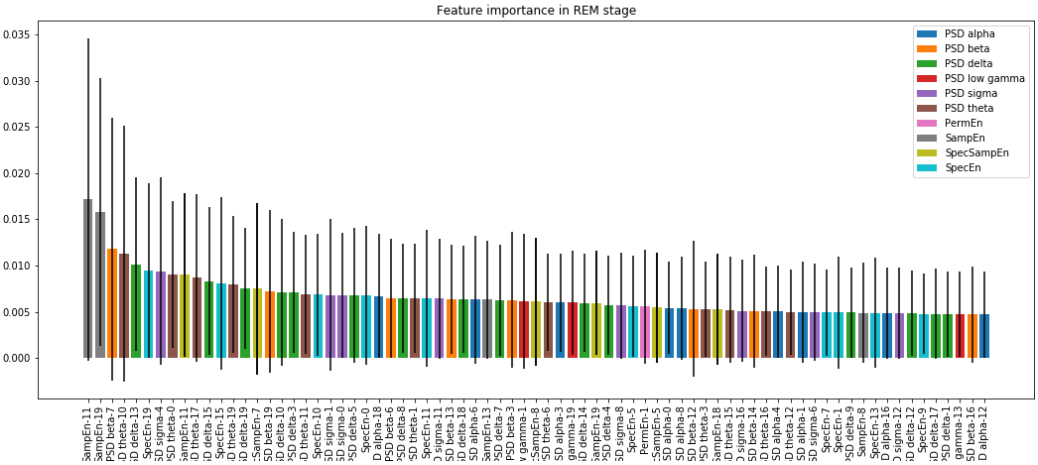
1000 iterations, multi-electrode, multi-feature

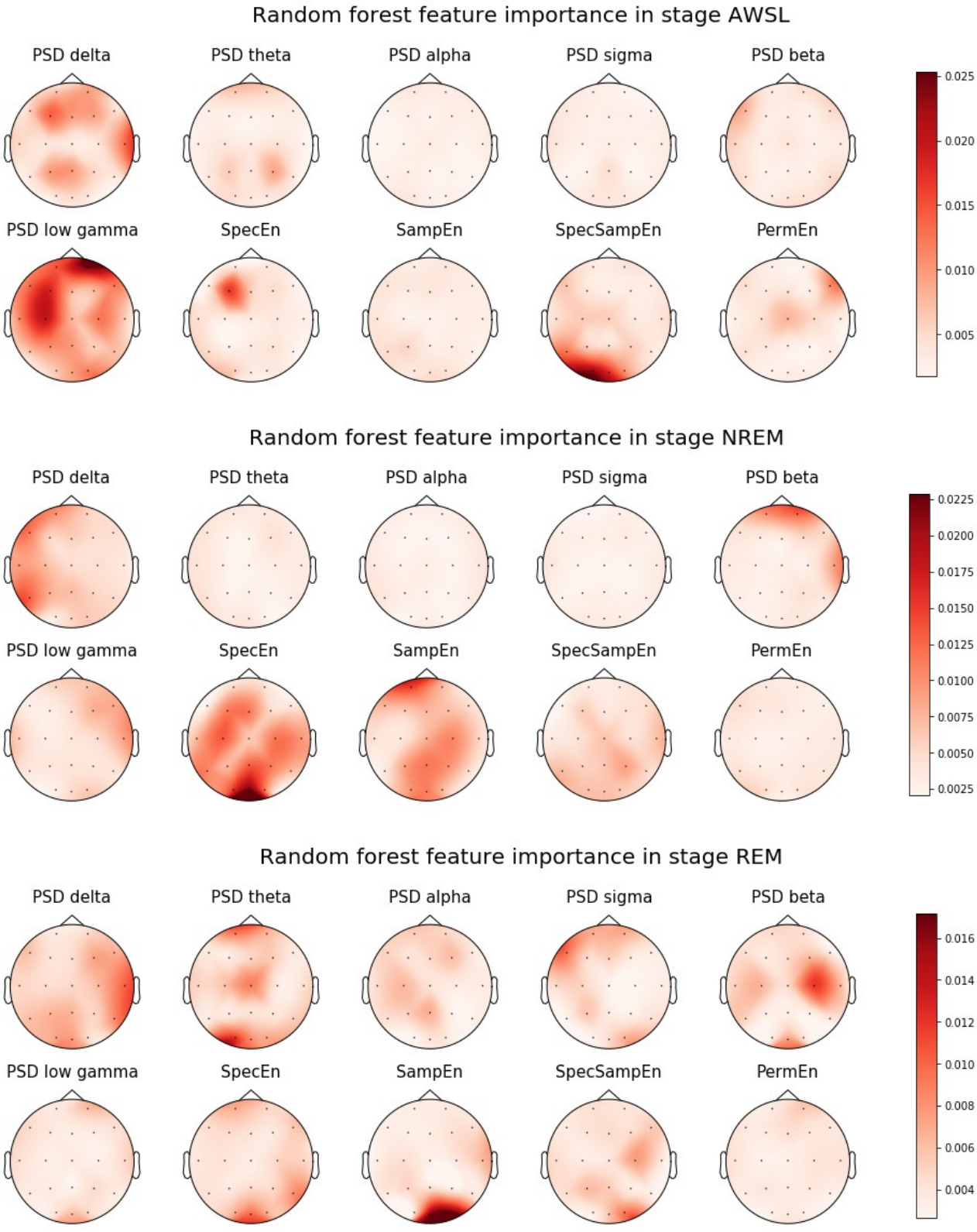





Feature importance in AWSL stage
PSD beta
PSD delta
PSD low gamma
PSD sigma
PSD theta
PermEn
SampEn
SpecSampEn
SpecEn
0.04
0.03
0.02
0.01
0.00


Feature importance in NREM stage
PSD beta
PSD delta
PSD low gamma
SampEn
SpecSampEn
SpecEn
0.035
0.030
0.025
0.020
0.015
0.010
0.005
0.000


Feature importance in REM stage
PSD alpha
PSD beta
PSD delta
PSD low gamma
PSD sigma
PSD theta
PermEn
SampEn
SpecSampEn
SpecEn
0.035
0.030
0.025
0.020
0.015
0.010
0.005
0.000


Random forest feature importance in stage AWSL
PSD delta
PSD theta
PSD alpha
PSD sigma
PSD beta
PSD low gamma
SpecEn
SampEn
SpecSampEn
PermEn
0.025
0.020
0.015
0.010
0.005
Random forest feature importance in stage NREM
PSD delta
PSD theta
PSD alpha
PSD sigma
PSD beta
PSD low gamma
SpecEn
SampEn
SpecSampEn
PermEn
0.0225
0.0200
0.0175
0.0150
0.0125
0.0100
0.0075
0.0050
0.0025
Random forest feature importance in stage REM
PSD delta
PSD theta
PSD alpha
PSD sigma
PSD beta
PSD low gamma
SpecEn
SampEn
SpecSampEn
PermEn
0.016
0.014
0.012
0.010
0.008
0.006
0.004