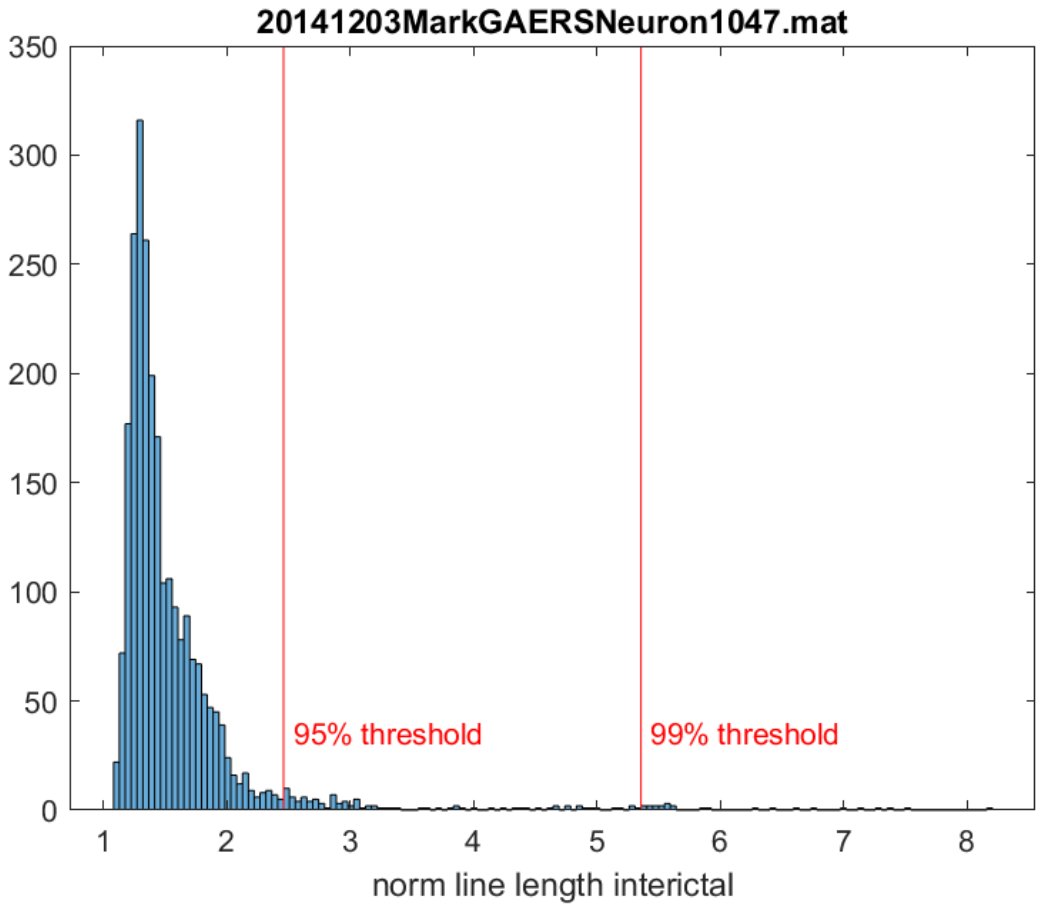
Giving a baseline to algorithms

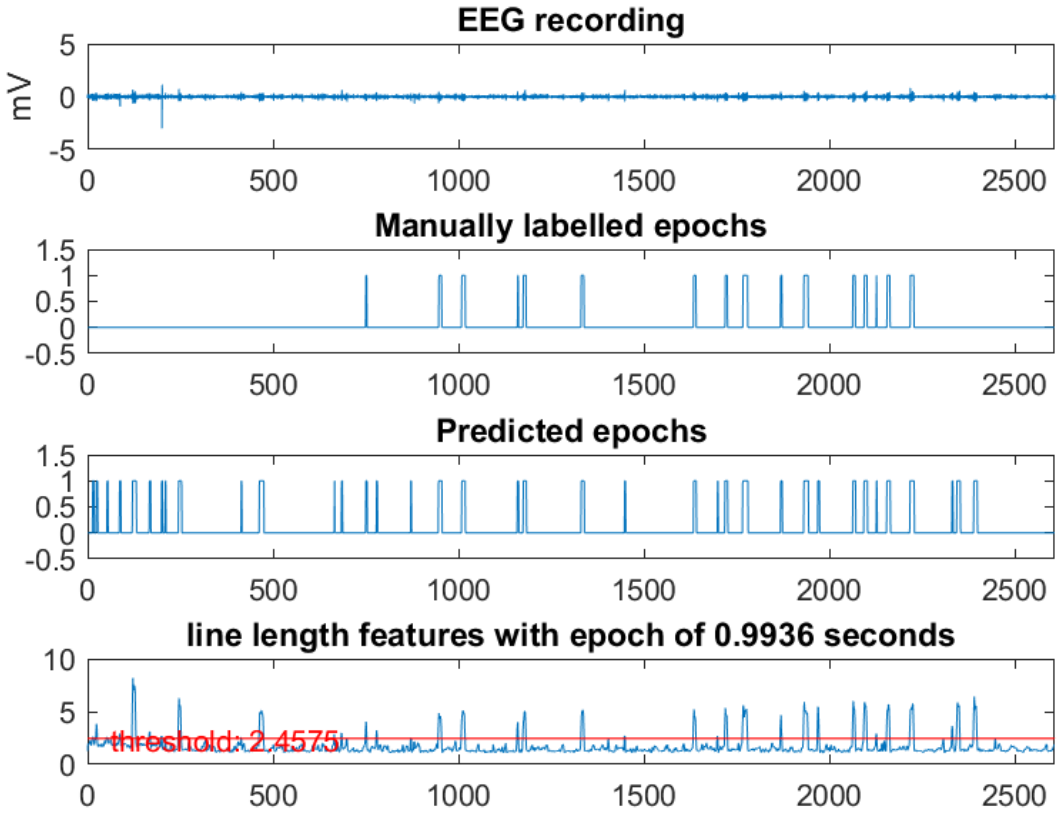
Thomas BANCEL

09-Mar-2018

We used 95% of the interictal distribution of line length as a threshold to detect seizures

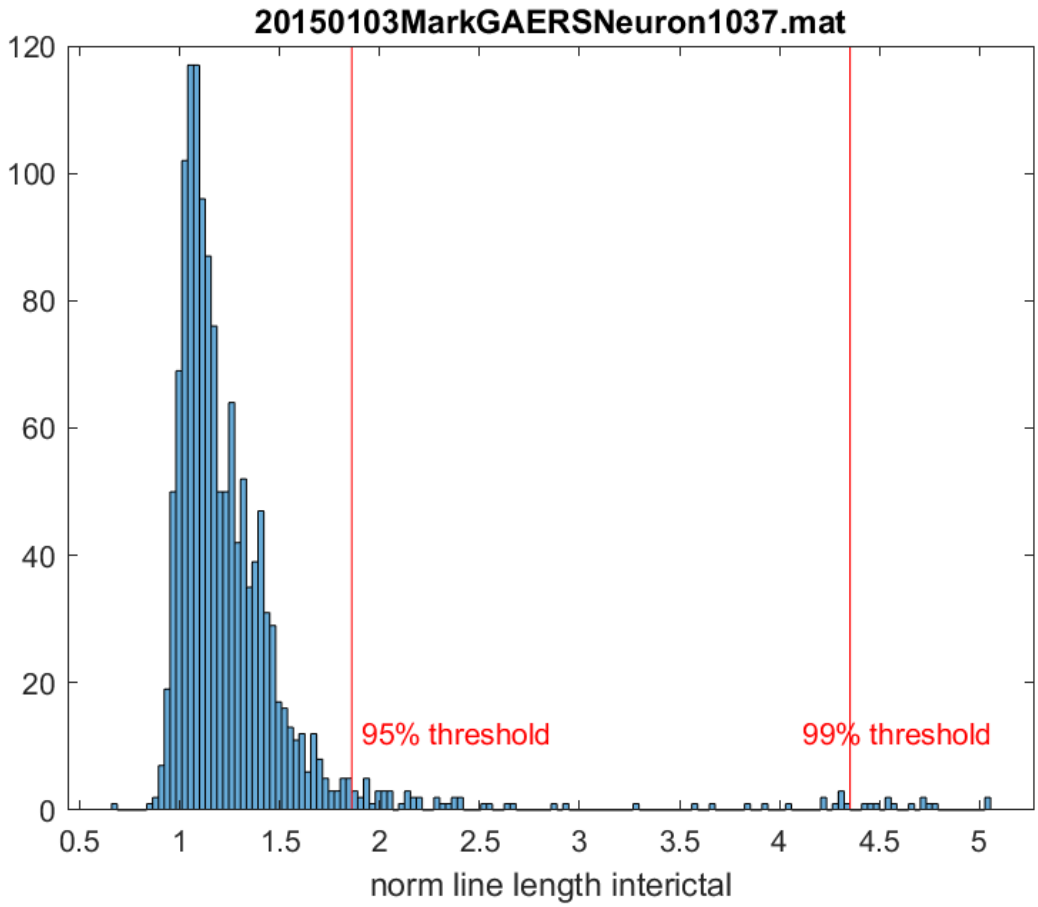
Chapitre 1. 20141203_Mark_GAERS_Neuron_

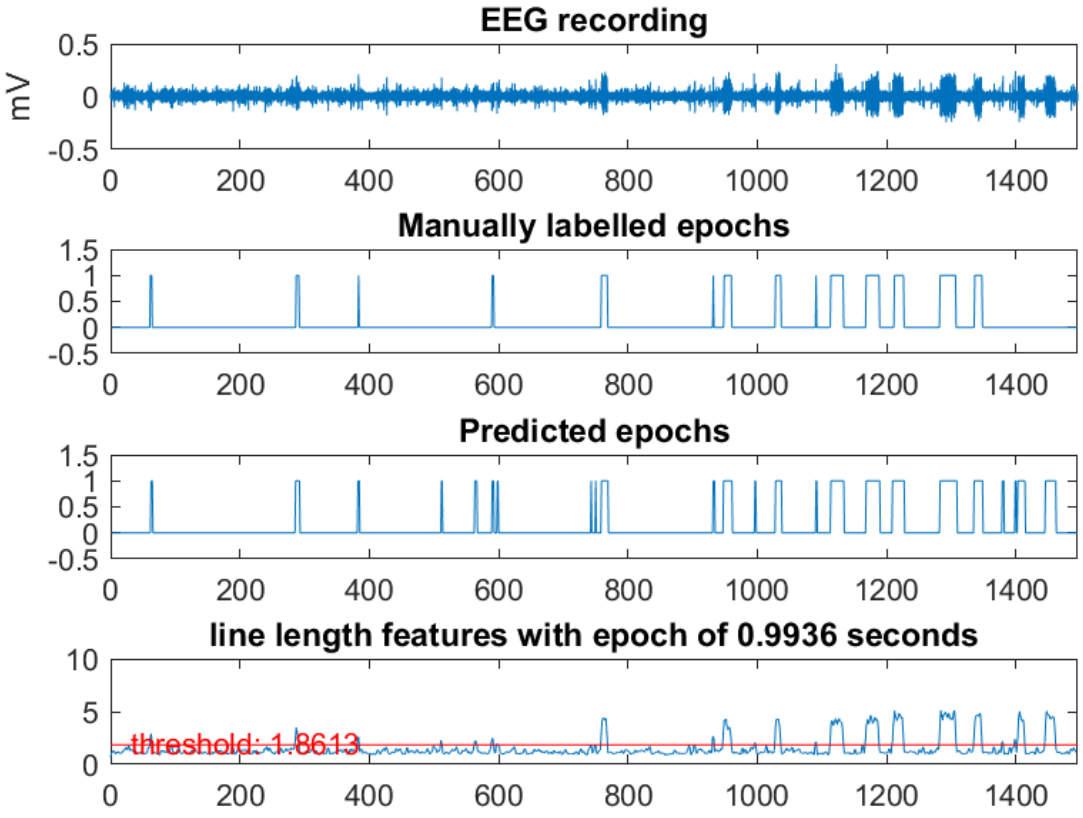




RowName	labelled_results	predicted_results	performance
"nb of seizures"	"16"	"37"	"n/a"
"mean seizure duration"	"7.0466"	"6.3913"	"n/a"
"std seizure duration"	"3.2773"	"3.8945"	"n/a"
"accuracy"	"n/a"	"n/a"	"0.95311"
"sensitivity"	"n/a"	"n/a"	"1"
"specificity"	"n/a"	"n/a"	"0.95096"
"threshold"	"n/a"	"n/a"	"2.4575"

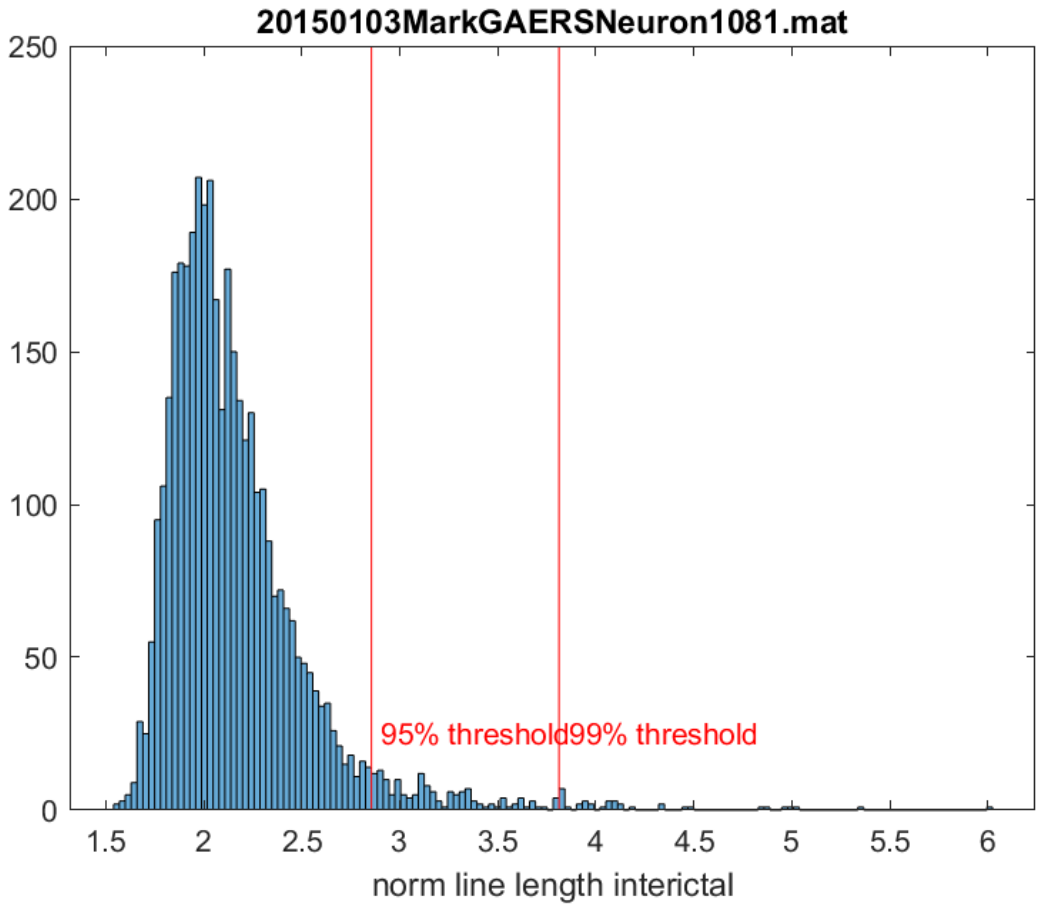
Chapitre 2. 20150103_Mark_GAERS_Neuron_

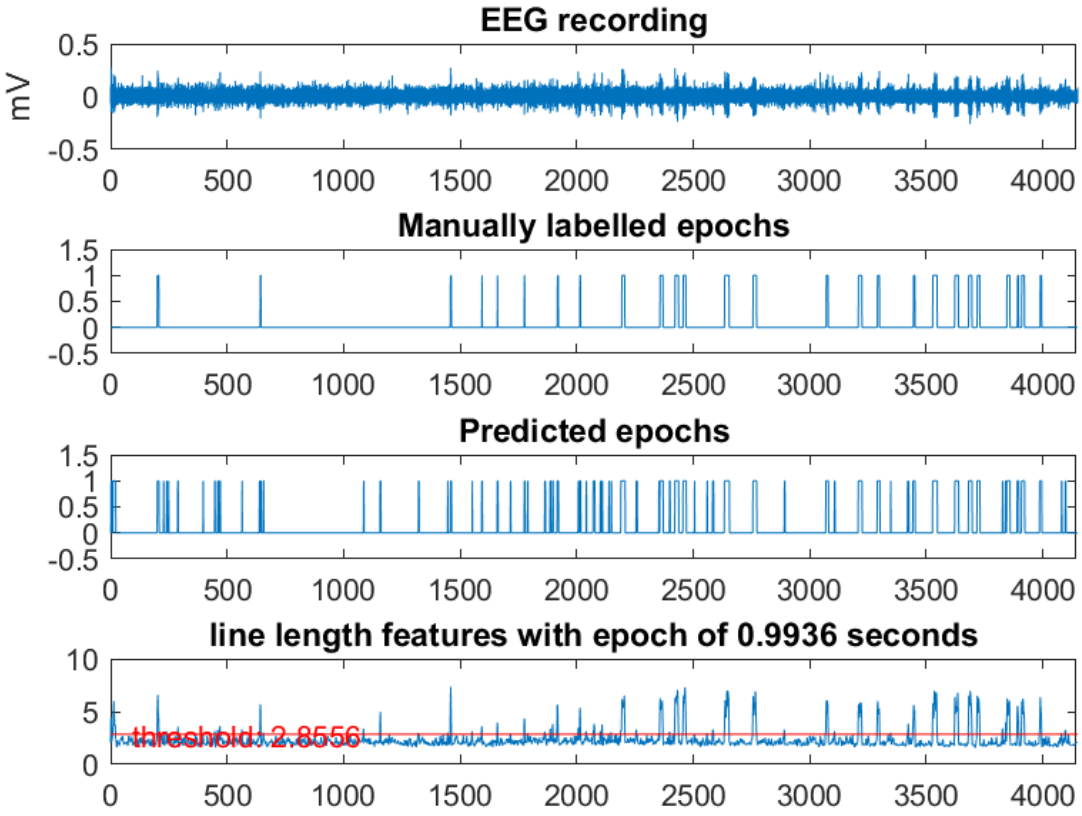




RowName	labelled_results	predicted_results	performance
"nb of seizures"	"14"	"24"	"n/a"
"mean seizure duration"	"9.6596"	"8.487"	"n/a"
"std seizure duration"	"8.0042"	"7.8673"	"n/a"
"accuracy"	"n/a"	"n/a"	"0.95415"
"sensitivity"	"n/a"	"n/a"	"0.99275"
"specificity"	"n/a"	"n/a"	"0.95026"
"threshold"	"n/a"	"n/a"	"1.8613"

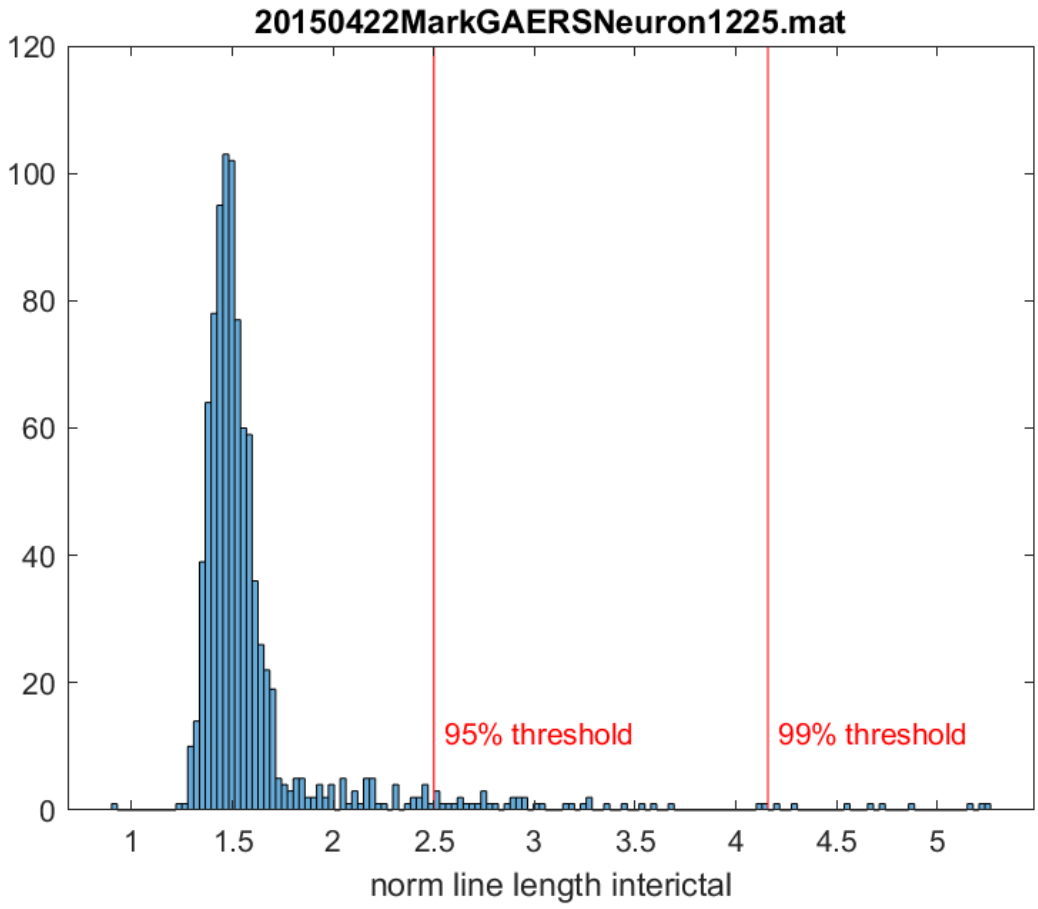
Chapitre 3. 20150103_Mark_GAERS_Neuron_

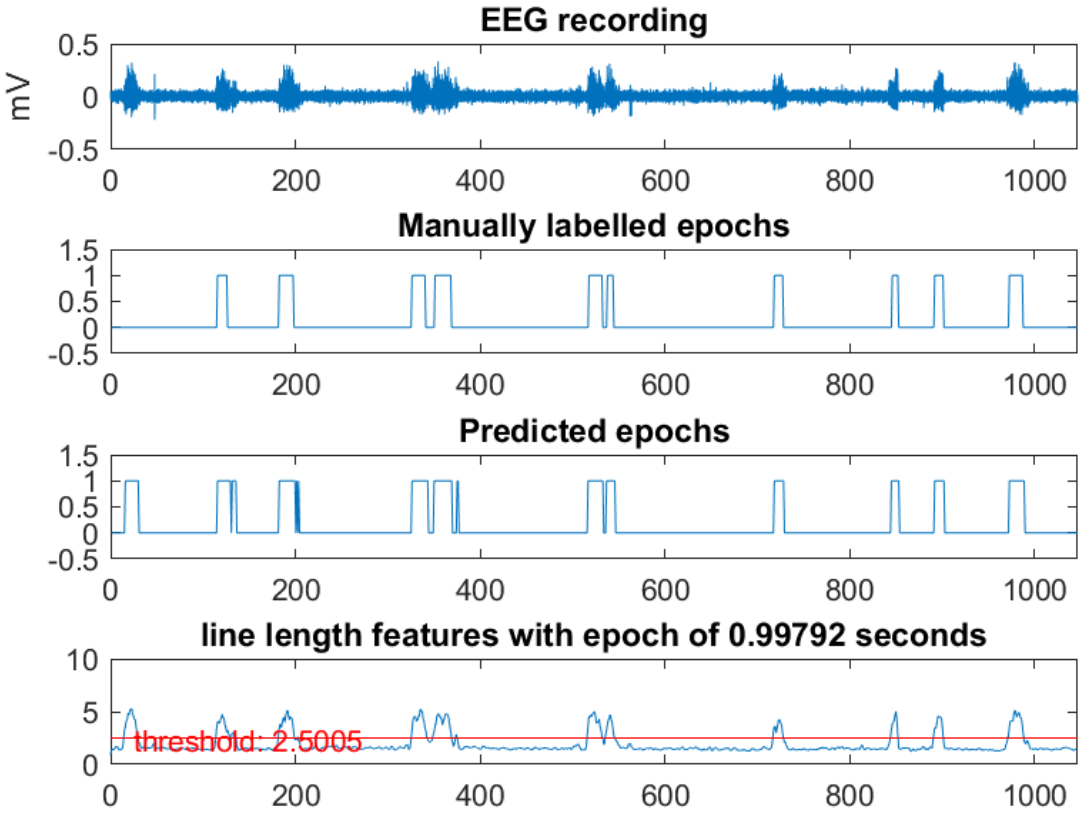




RowName	labelled_results	predicted_results	performance
"nb of seizures"	"27"	"73"	"n/a"
"mean seizure duration"	"9.0518"	"5.8527"	"n/a"
"std seizure duration"	"5.8219"	"5.7973"	"n/a"
"accuracy"	"n/a"	"n/a"	"0.95594"
"sensitivity"	"n/a"	"n/a"	"1"
"specificity"	"n/a"	"n/a"	"0.95318"
"threshold"	"n/a"	"n/a"	"2.8556"

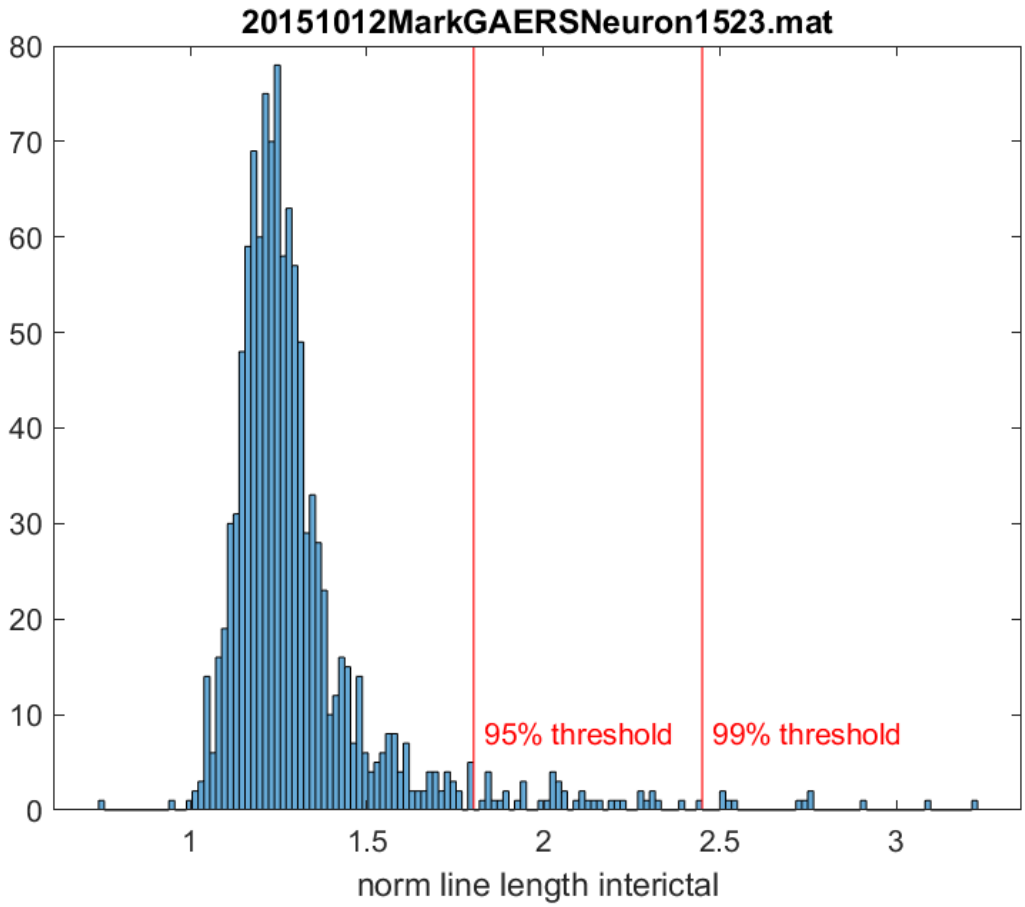
Chapitre 4. 20150422_Mark_GAERS_Neuron_

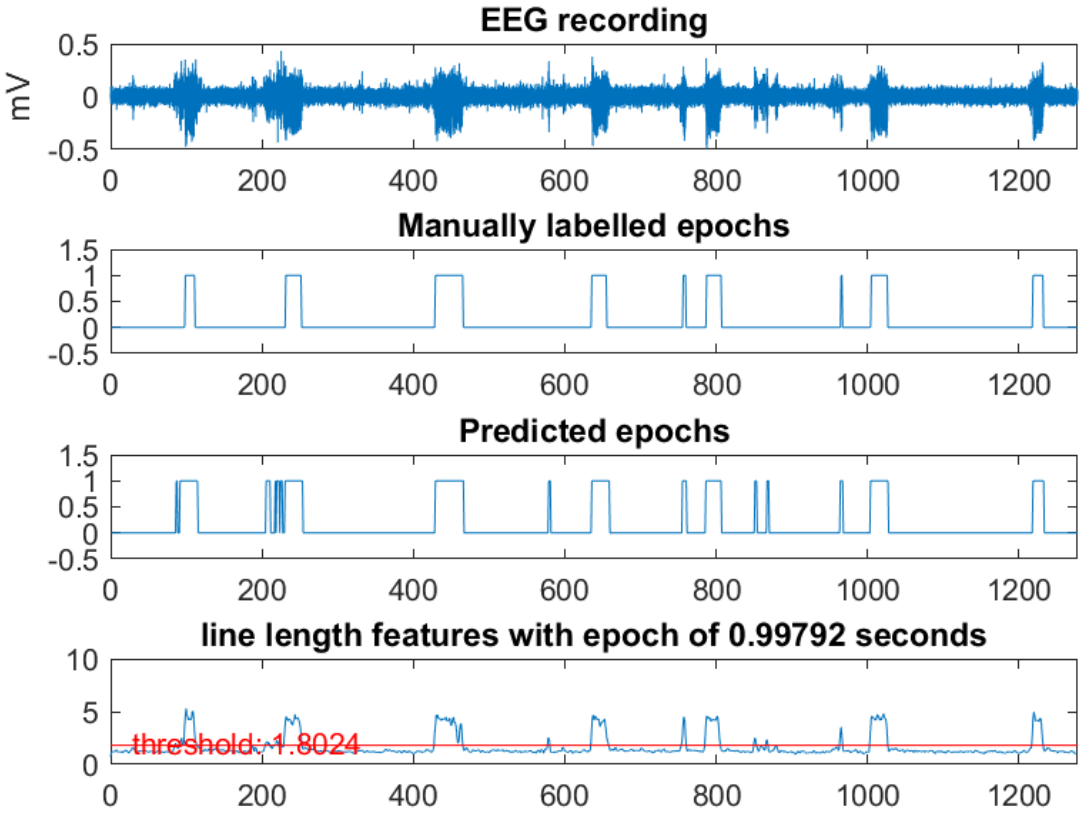




RowName	labelled_results	predicted_results	performance
"nb of seizures"	"10"	"15"	"n/a"
"mean seizure duration"	"12.4106"	"11.3098"	"n/a"
"std seizure duration"	"4.0024"	"6.551"	"n/a"
"accuracy"	"n/a"	"n/a"	"0.95615"
"sensitivity"	"n/a"	"n/a"	"1"
"specificity"	"n/a"	"n/a"	"0.95027"
"threshold"	"n/a"	"n/a"	"2.5005"

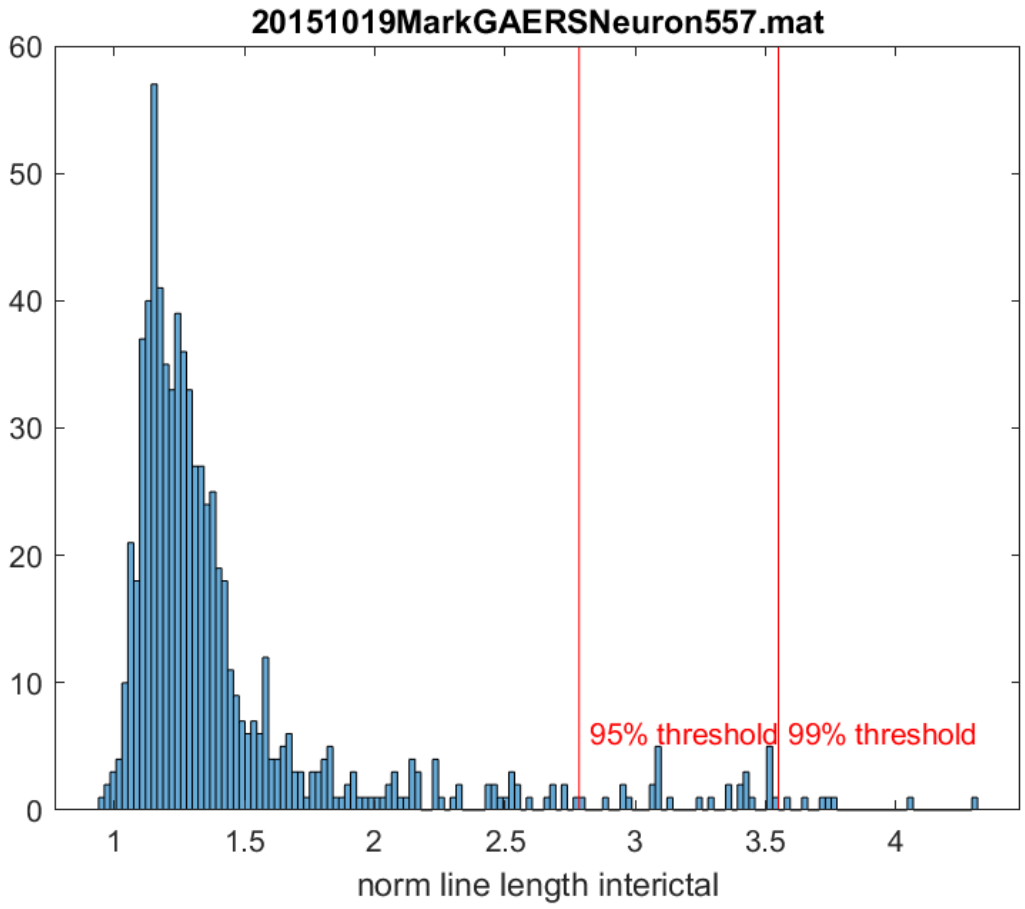
Chapitre 5. 20151012_Mark_GAERS_Neuron_

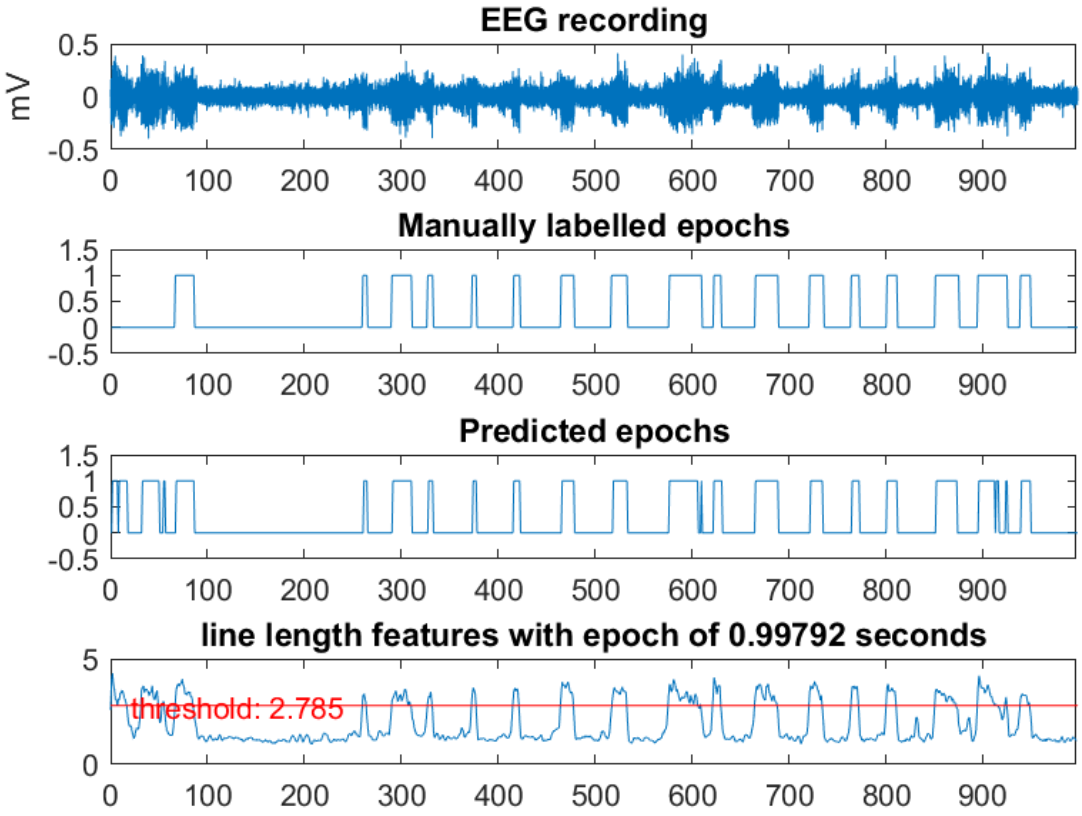




RowName	labelled_results	predicted_results	performance
"nb of seizures"	"9"	"17"	"n/a"
"mean seizure duration"	"16.8748"	"12.0337"	"n/a"
"std seizure duration"	"10.4898"	"11.397"	"n/a"
"accuracy"	"n/a"	"n/a"	"0.95937"
"sensitivity"	"n/a"	"n/a"	"1"
"specificity"	"n/a"	"n/a"	"0.95386"
"threshold"	"n/a"	"n/a"	"1.8024"

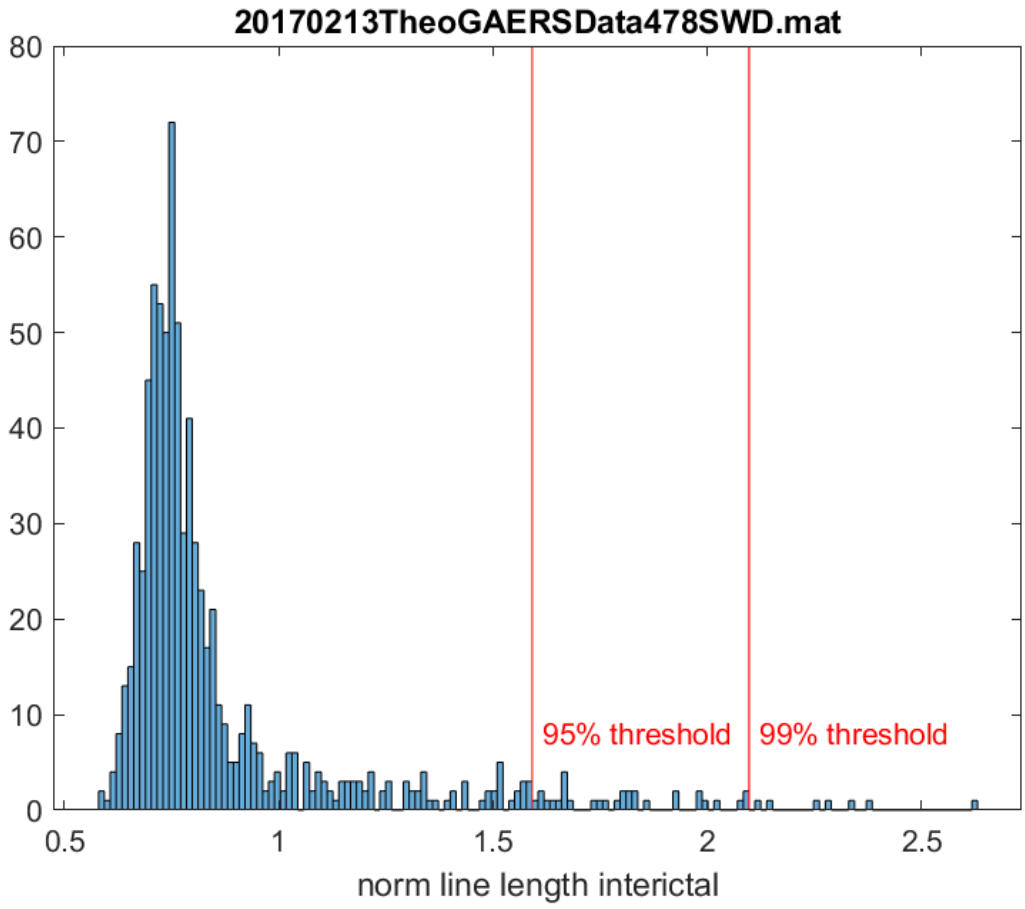
Chapitre 6. 20151019_Mark_GAERS_Neuron_5

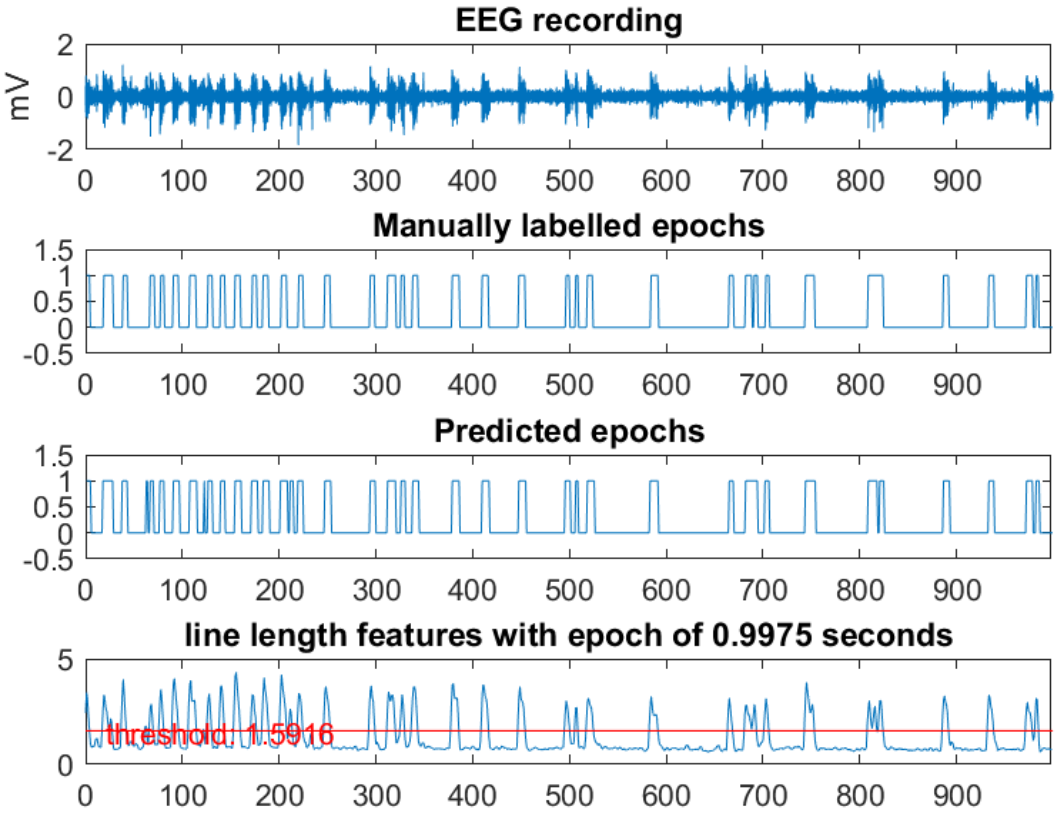




RowName	labelled_results	predicted_results	performance
"nb of seizures"	"17"	"24"	"n/a"
"mean seizure duration"	"15.364"	"11.3098"	"n/a"
"std seizure duration"	"9.0054"	"7.8448"	"n/a"
"accuracy"	"n/a"	"n/a"	"0.937"
"sensitivity"	"n/a"	"n/a"	"0.89734"
"specificity"	"n/a"	"n/a"	"0.95115"
"threshold"	"n/a"	"n/a"	"2.785"

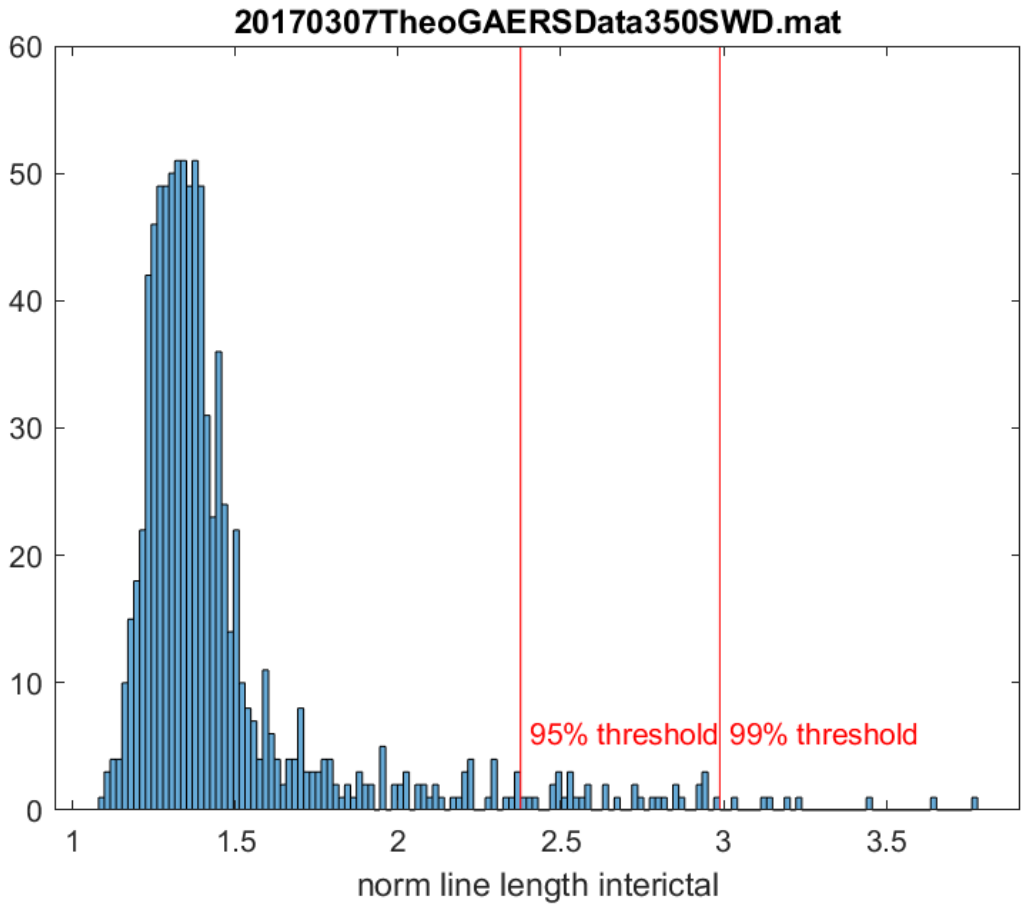
Chapitre 7. 20170213_Theo_GAERS_Data4_78

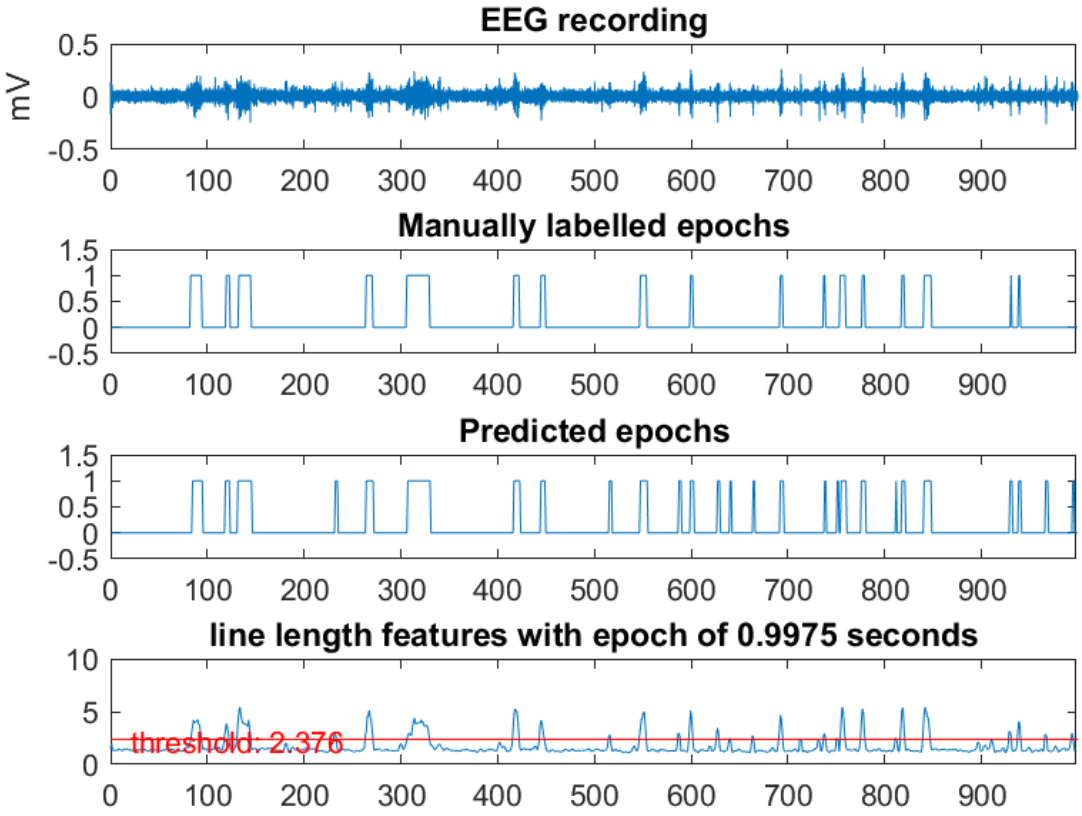




RowName	labelled_results	predicted_results	performance
"nb of seizures"	"37"	"39"	"n/a"
"mean seizure duration"	"5.7749"	"6.5221"	"n/a"
"std seizure duration"	"3.1367"	"2.4202"	"n/a"
"accuracy"	"n/a"	"n/a"	"0.95908"
"sensitivity"	"n/a"	"n/a"	"0.98636"
"specificity"	"n/a"	"n/a"	"0.95141"
"threshold"	"n/a"	"n/a"	"1.5916"

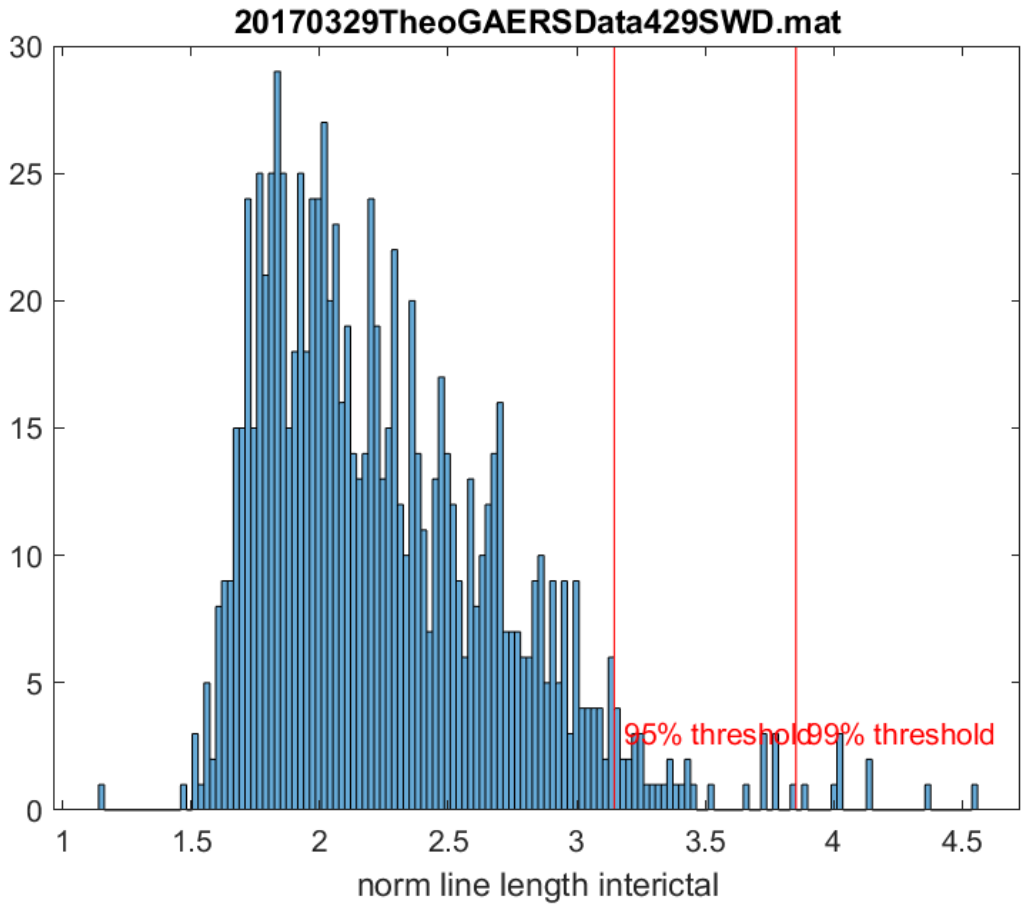
Chapitre 8. 20170307_Theo_GAERS_Data3_50

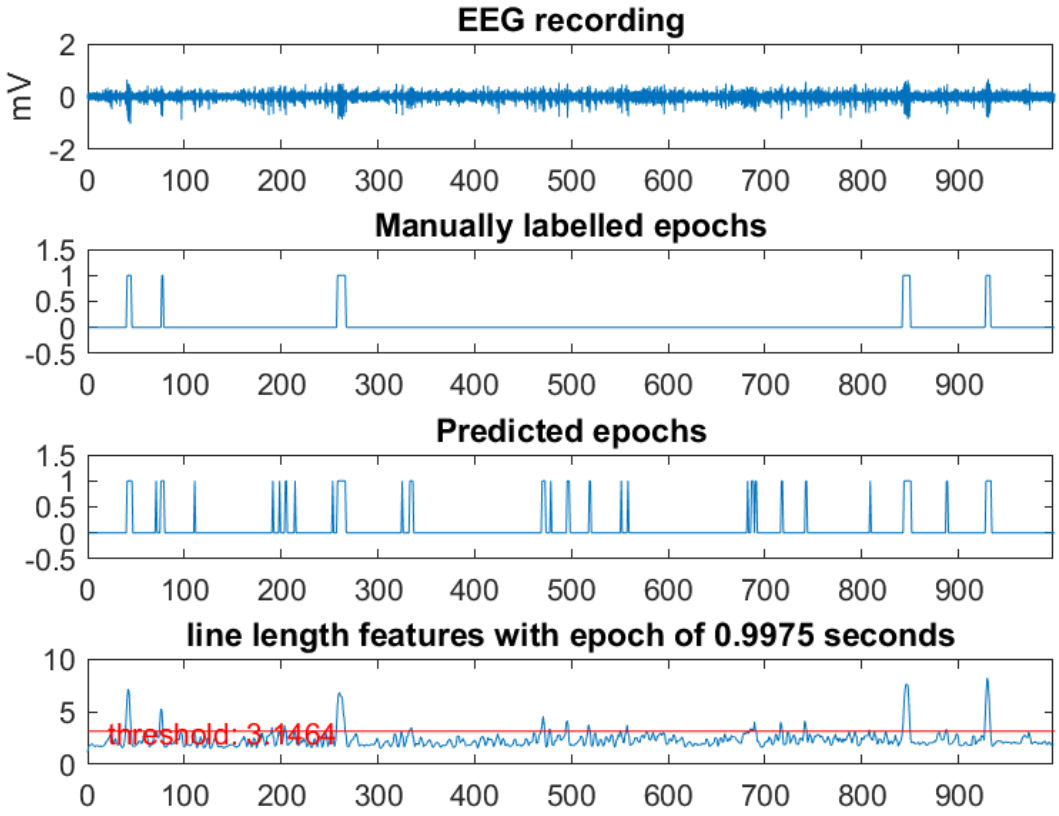




RowName	labelled_results	predicted_results	performance
"nb of seizures"	"18"	"27"	"n/a"
"mean seizure duration"	"6.1489"	"5.3939"	"n/a"
"std seizure duration"	"5.4202"	"4.8573"	"n/a"
"accuracy"	"n/a"	"n/a"	"0.95309"
"sensitivity"	"n/a"	"n/a"	"0.95413"
"specificity"	"n/a"	"n/a"	"0.95297"
"threshold"	"n/a"	"n/a"	"2.376"

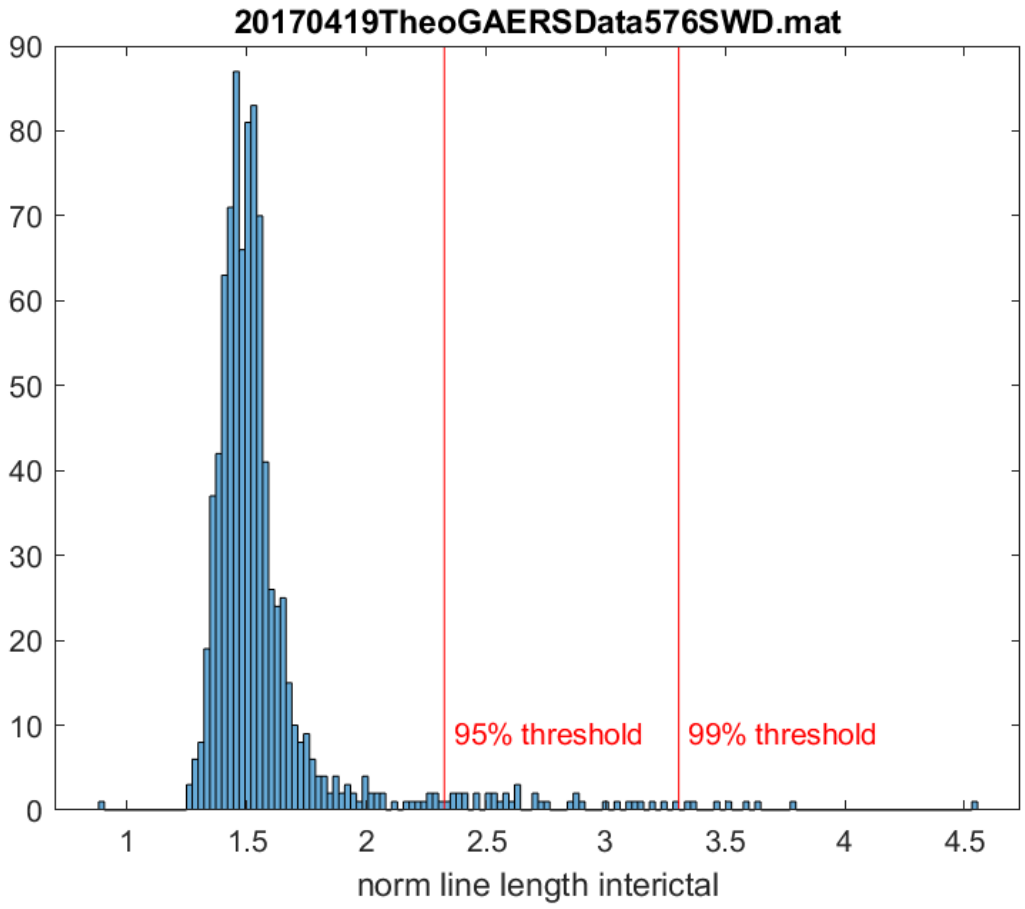
Chapitre 9. 20170329_Theo_GAERS_Data4_29

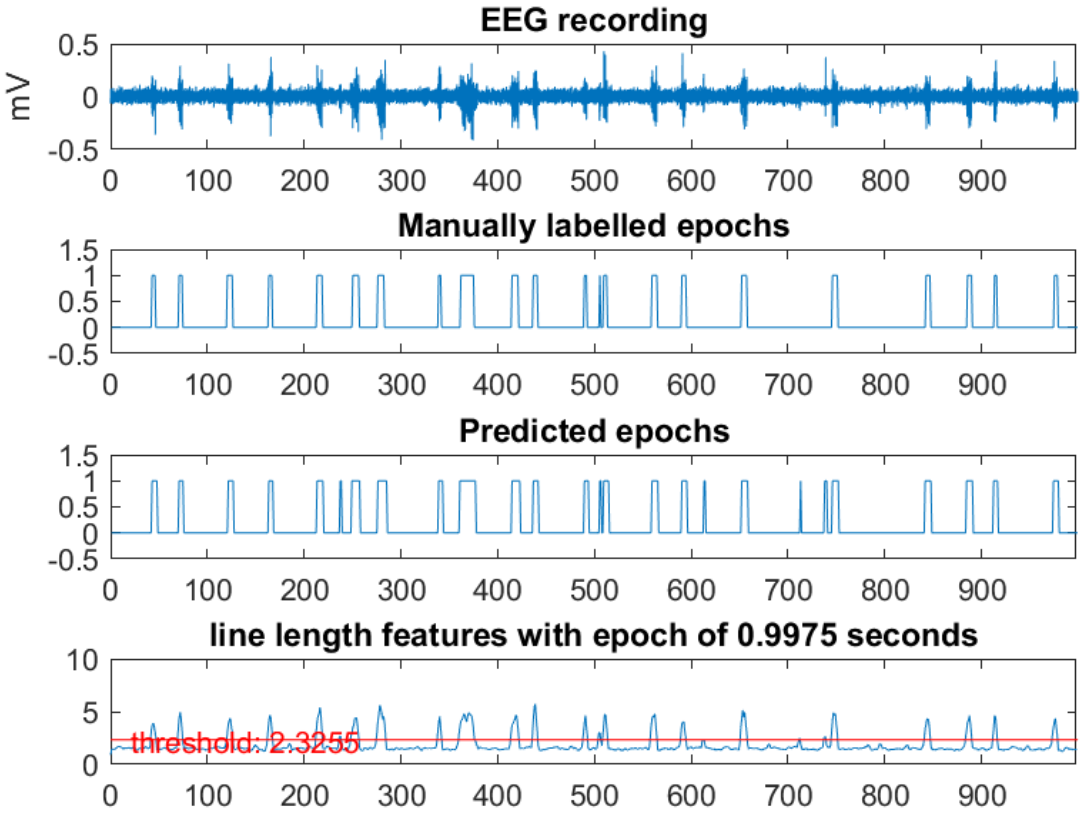




RowName	labelled_results	predicted_results	performance
"nb of seizures"	"5"	"27"	"n/a"
"mean seizure duration"	"5.75"	"2.6231"	"n/a"
"std seizure duration"	"2.8757"	"2.2501"	"n/a"
"accuracy"	"n/a"	"n/a"	"0.95609"
"sensitivity"	"n/a"	"n/a"	"0.96552"
"specificity"	"n/a"	"n/a"	"0.95581"
"threshold"	"n/a"	"n/a"	"3.1464"

Chapitre 10. 20170419_Theo_GAERS_Data5_7





RowName	labelled_results	predicted_results	performance
"nb of seizures"	"22"	"26"	"n/a"
"mean seizure duration"	"5.161"	"6.0617"	"n/a"
"std seizure duration"	"2.4152"	"3.1408"	"n/a"
"accuracy"	"n/a"	"n/a"	"0.95509"
"sensitivity"	"n/a"	"n/a"	"0.9913"
"specificity"	"n/a"	"n/a"	"0.95039"
"threshold"	"n/a"	"n/a"	"2.3255"