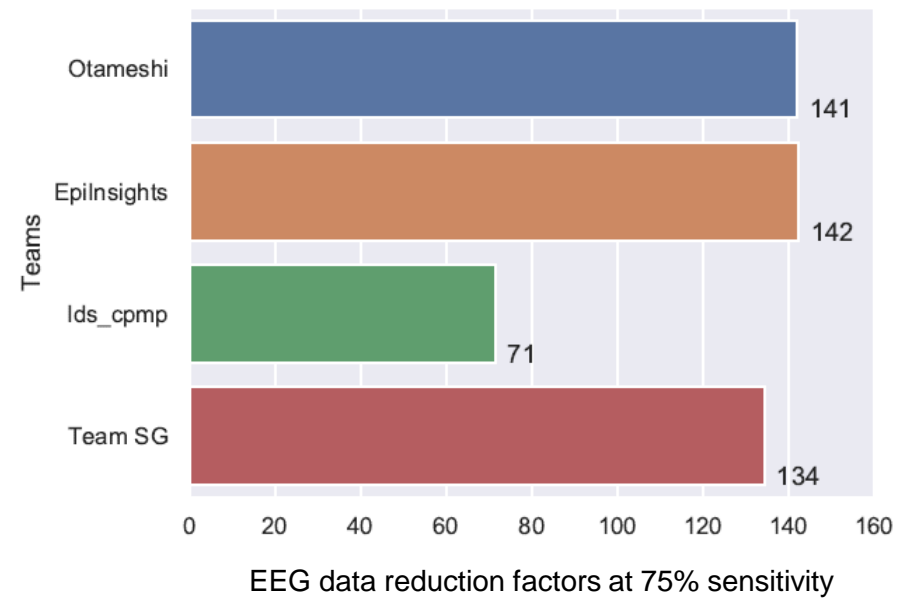
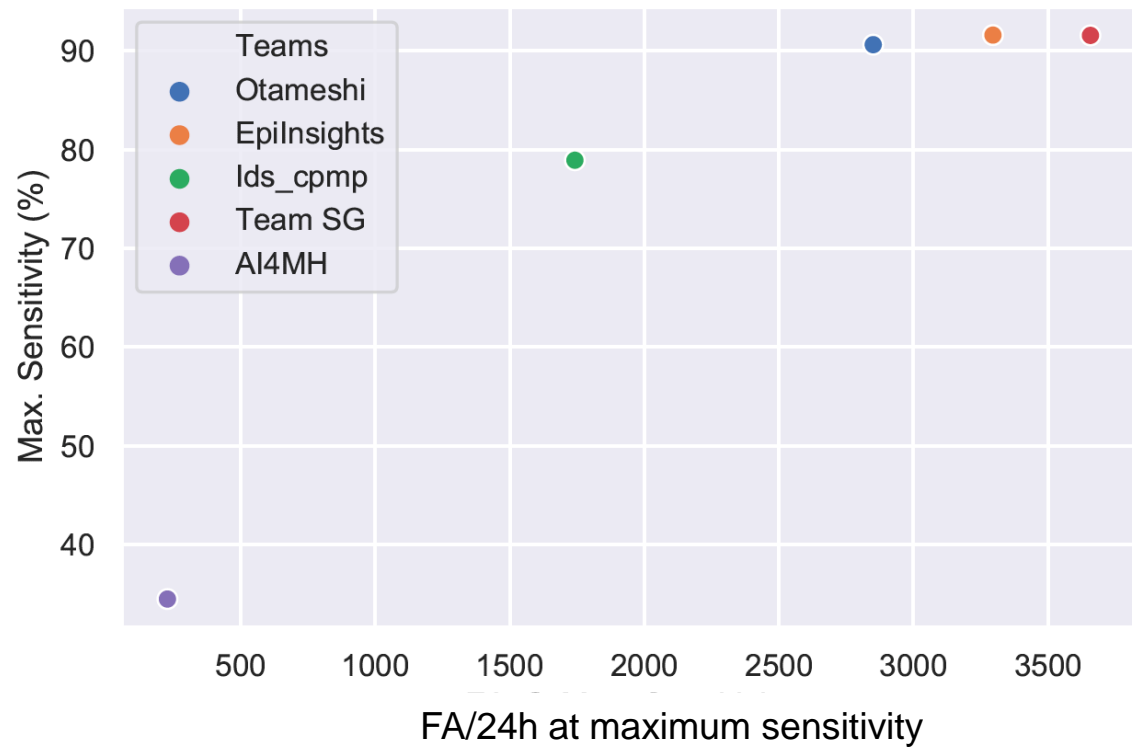


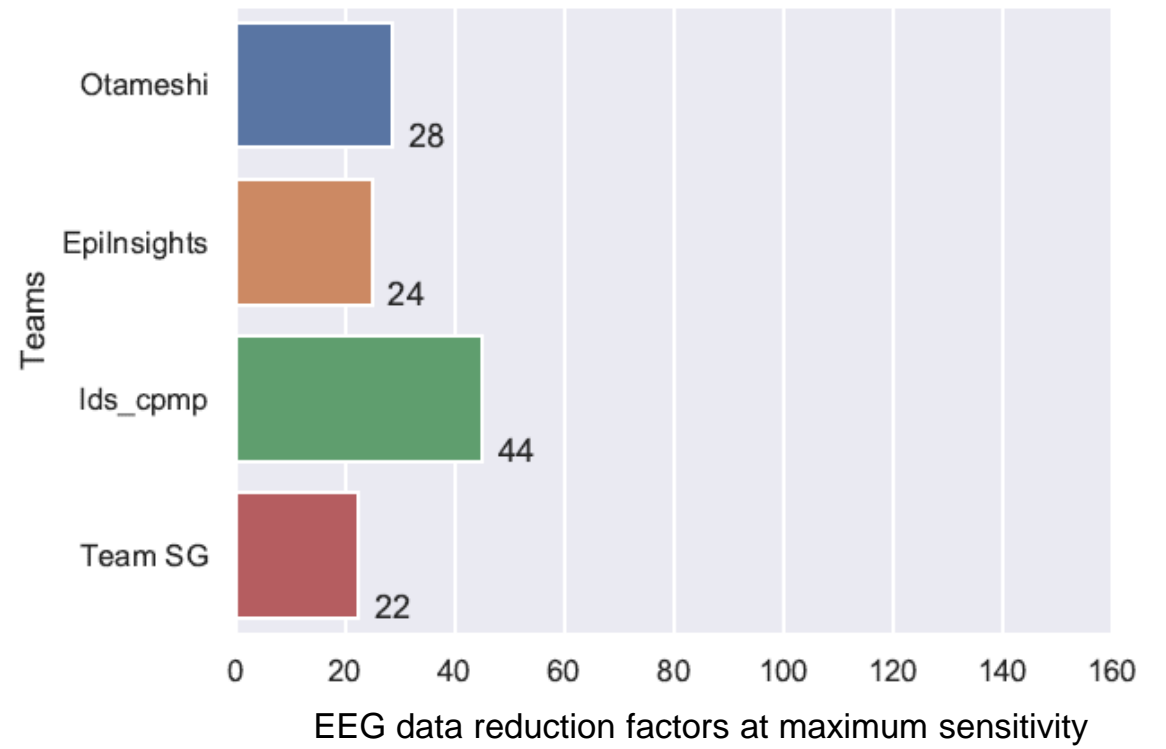
(a)



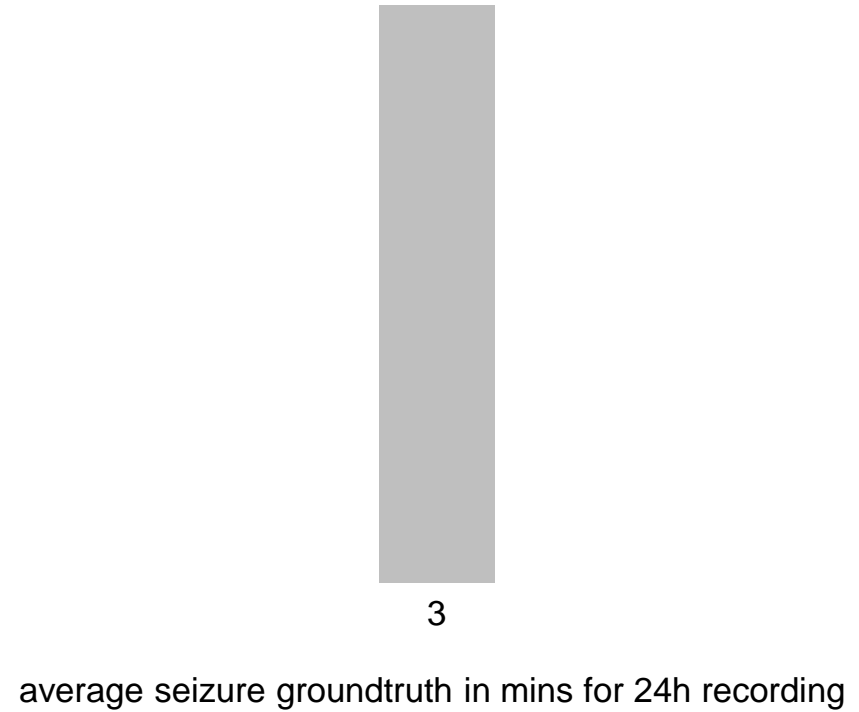
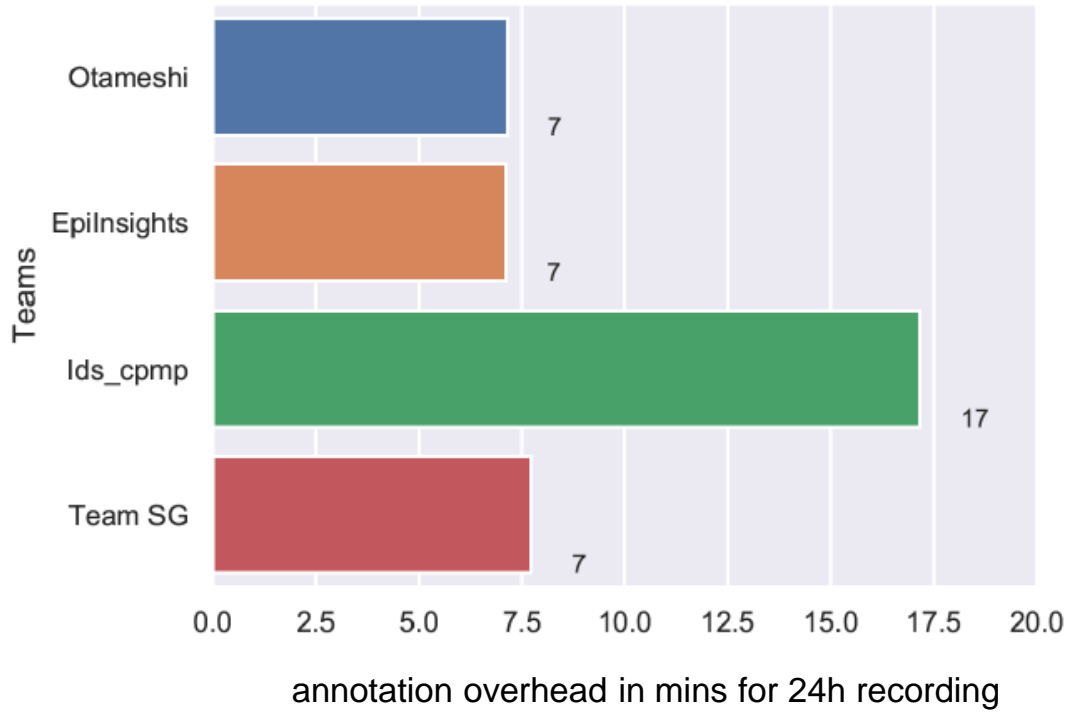
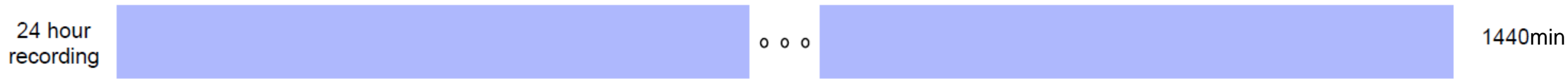
(b)

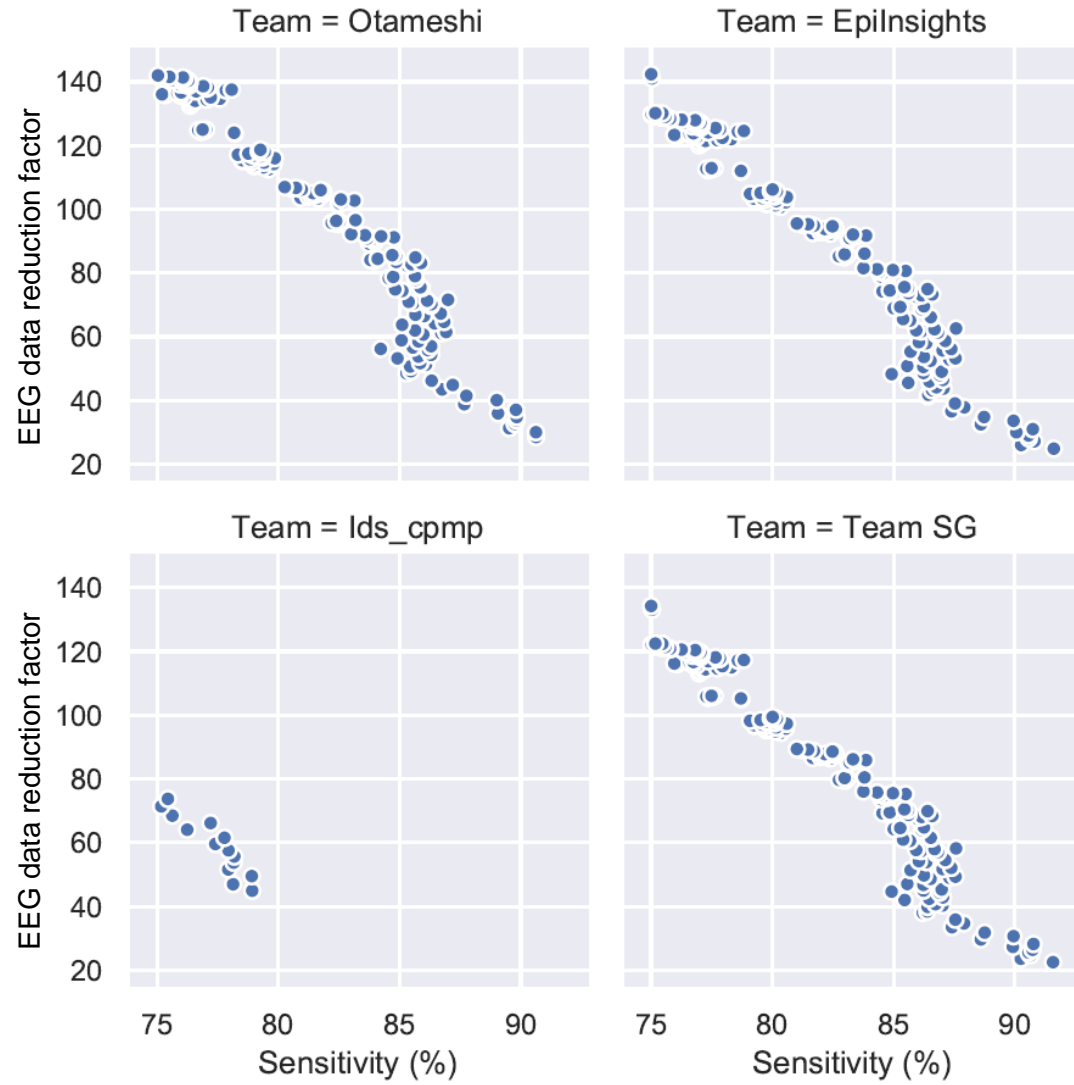


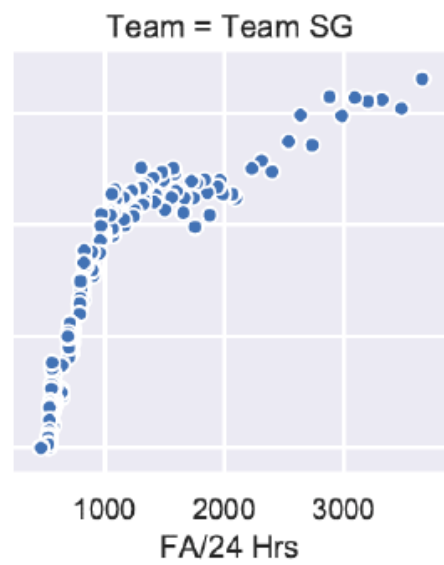
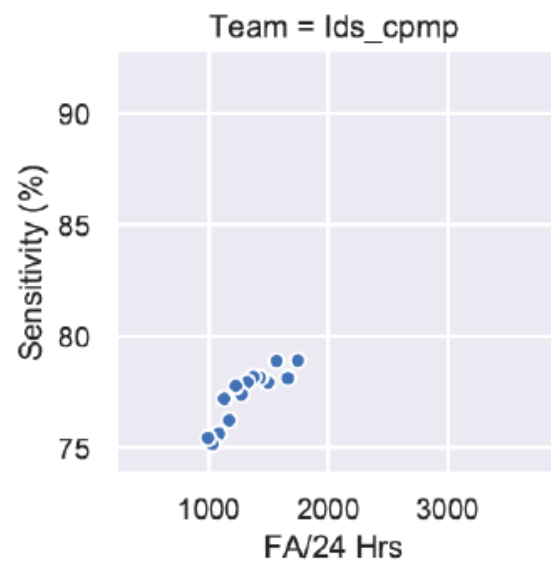
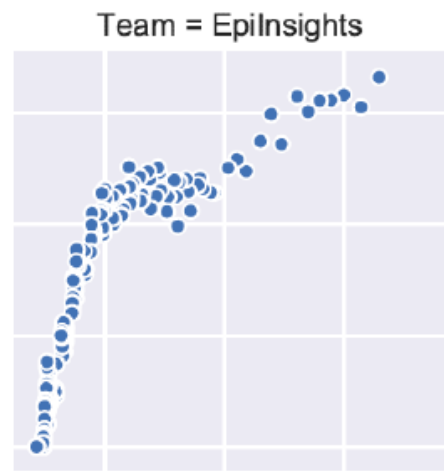
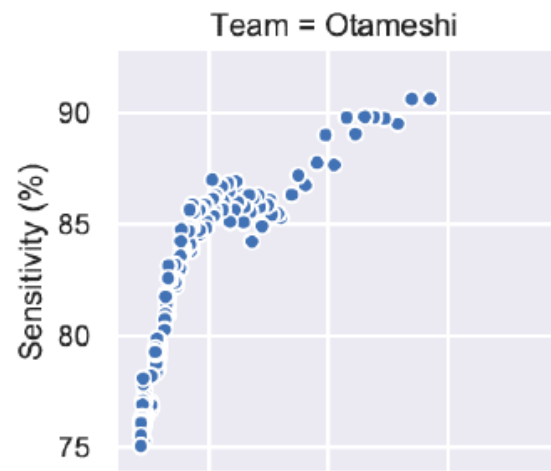
(a)



(b)





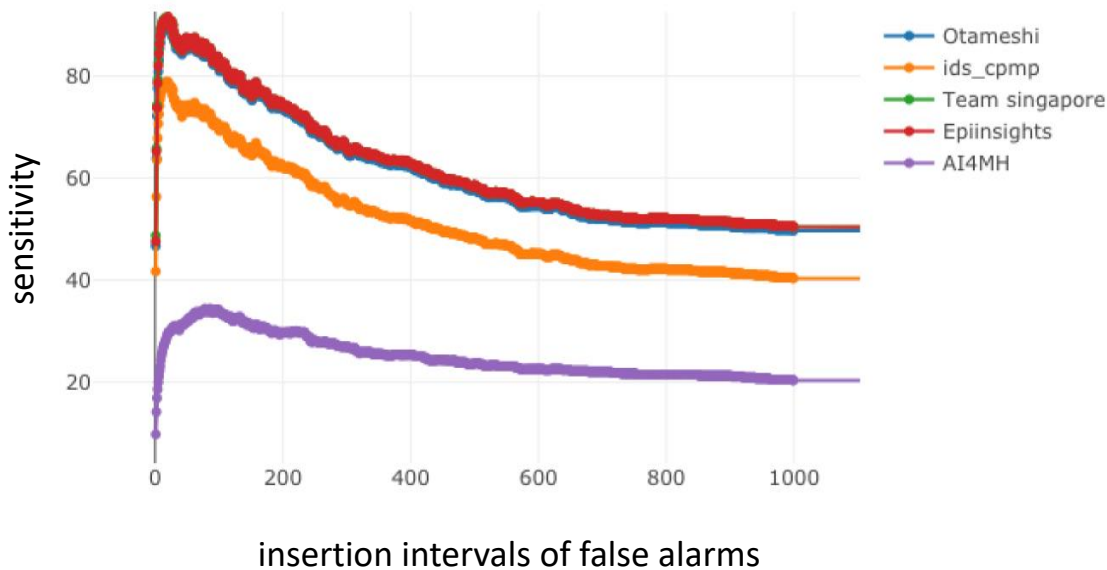


results w/o artificially inserted labels

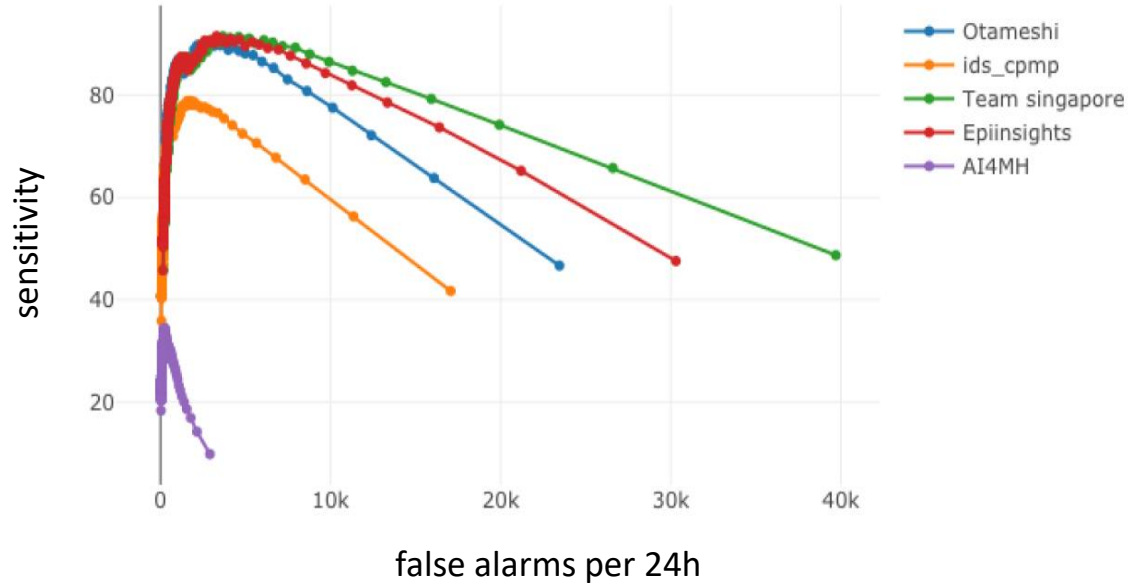
Scoring of best final submissions on blind test set

Team	Evaluation metric	Sensitivity	FA/24hours
Ids_cpmp	1.94	53.25	104.06
Team SG	3.21	65.40	211.08
AI4MH	3.51	14.68	51.54
LateStarters	3.51	45.79	161.31
Otameshi	3.70	57.45	215.83
AP	5.93	45.16	268.33
EpilInsights	7.14	55.64	398.24

Generalisation of team Otameshi's engineering step across all final submissions on blind test set

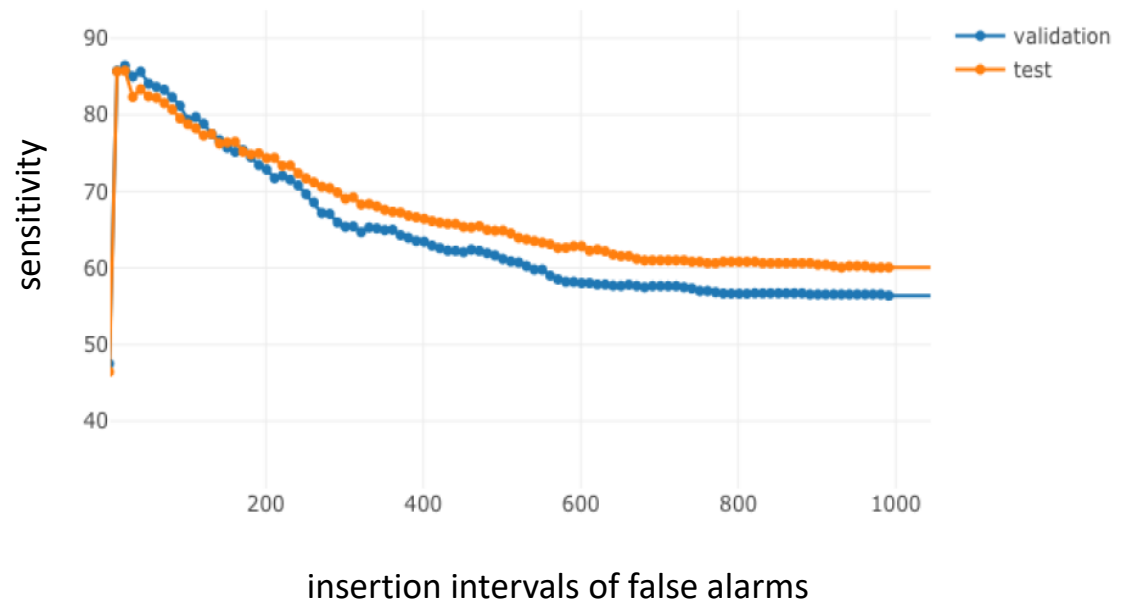


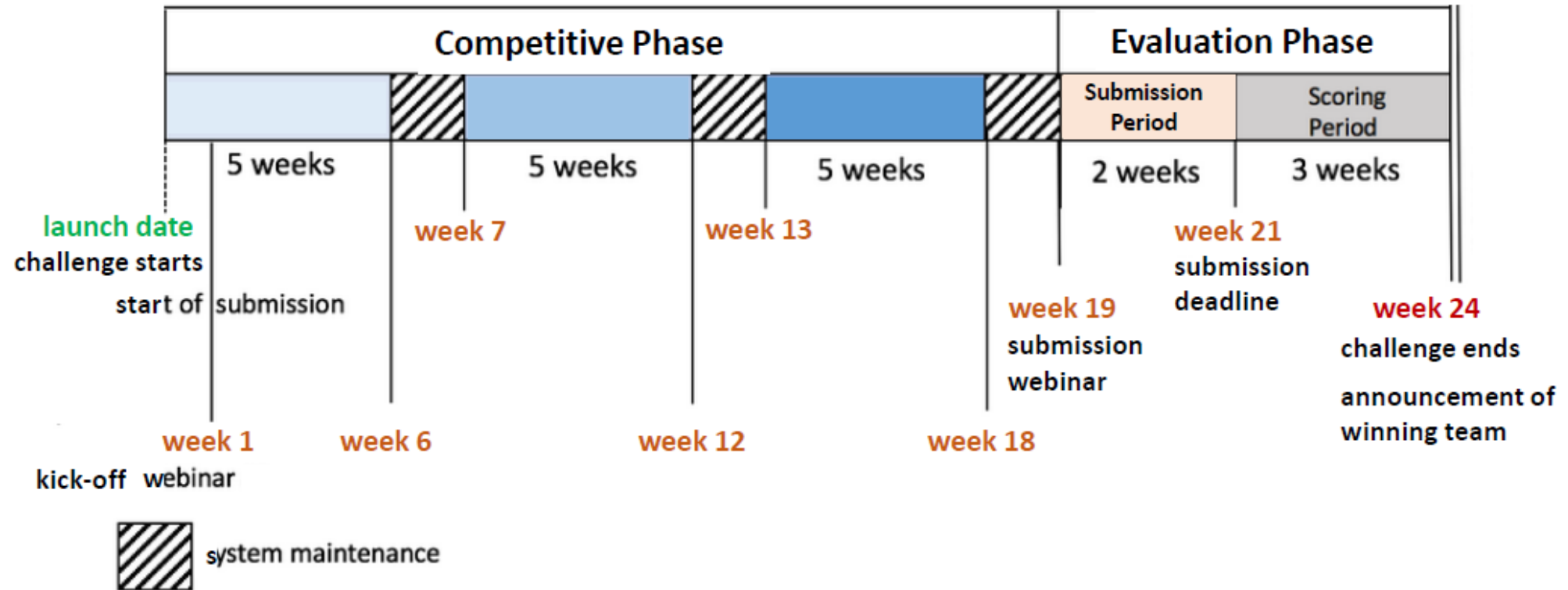
(a)



(b)

Generalisation of team Otameshi's engineering step across validation and blind test sets





	False Alarms/24h @ 75% Sensitivity	Raw EEG time reduction @ 75% Sensitivity (X)	Max. Sensitivity (%)	False Alarms/24h @ Max. Sensitivity	Raw EEG time reduction @ Max. Sensitivity (X)	Minutes of raw EEG to review for 24h recording
Otameshi	428.616	141.961	90.6307	2850.63	28.509	7.1436
Epilnsights	426.979	142.344	91.6025	3295.46	24.86	7.11631
Ids_cpmp	1029.96	71.4071	78.9233	1742.09	44.951	17.1661
Team SG	463.454	134.275	91.5703	3657.69	22.5135	7.72423
AI4MH	NaN	NaN	34.4671	228.027	211.751	NaN

Deep Learning Epilepsy Detection Challenge Platform

IBM Cloud

training and testing datasets



held-out validation dataset



IBM Cloud Object Storage

IBM Watson Studio

IBM Data Science Experience

Web Portal



team creation

creation of models for deep learning and data pre- and post-processing

run models submitted during competitive phase

run final submitted models



intermediate scoring



final scoring



winning model



intermediate leaderboard, model performance feedback

IBM Watson Machine Learning

