

# Subject independent EEG-based BCI decoding



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83 sessions of movement imaginations



ensemble generation  
with subject-dependent filters

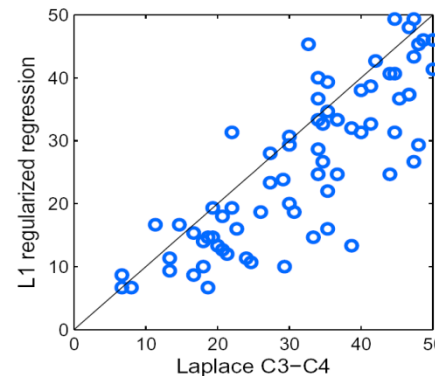
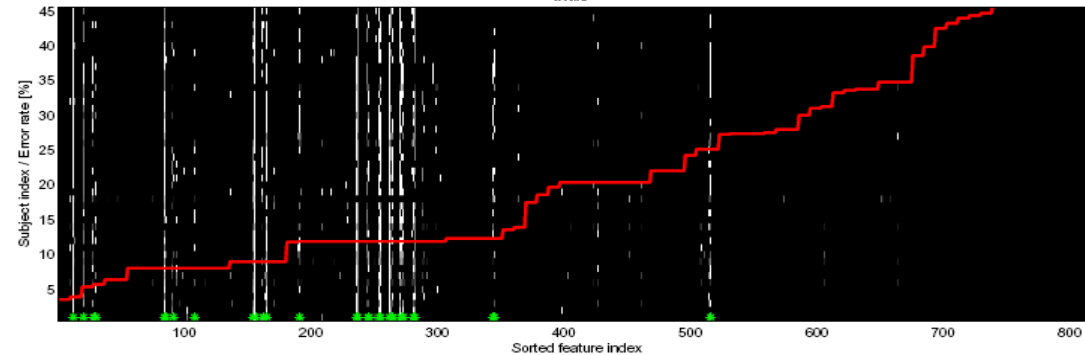
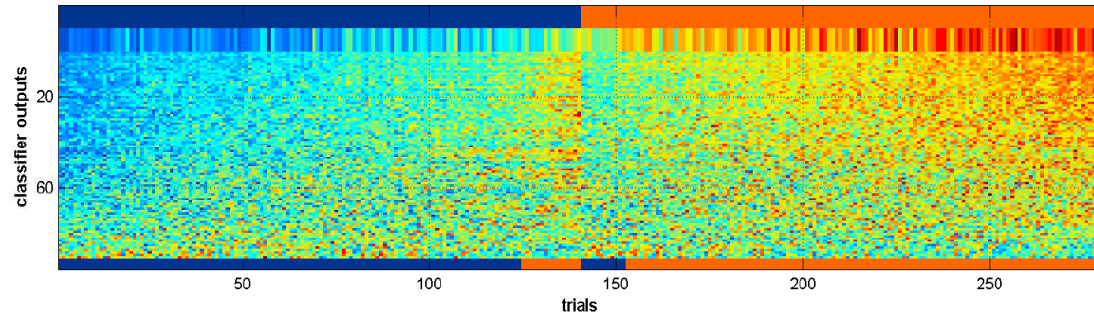


leave one subject out  
sparse regression  
on subject-dependent filters



subject-independent classifier  
with almost no loss of performance  
vs. subject-tuned classifiers

individual classifier outputs in relation to trial labels



method	LSR- $\ell_1$	Lap	BP
# <25%	<b>36</b>	24	11
25%-tile	16.0	22.0	31.3
median	<b>29.3</b>	34.7	38.7
75%-tile	40.7	45.3	45.3