2006 Pittsburgh Brain Activity Interpretation Competition Summary Score

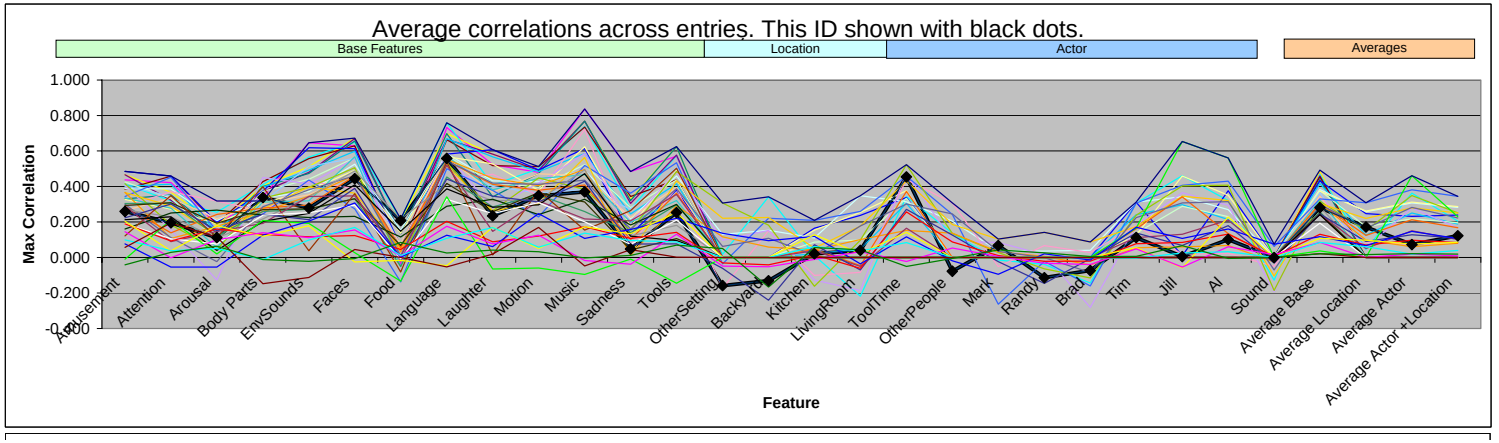
Title: ***A whole-brain correlation-based approach to decoding high-level features in fMRI data.***

Authors Alex Harner, Okito Yamishita, Daniel Callan, Yukiyasu Kamitani

Institution: ATR Computation Neuroscience Laboratories

Rank **Method Description** **3** **Highest Feature Correlation** **0.629**

Any feature in which the entry was within the top 5% of prediction is indicated as TOP in the grid below

Top Predictions		Amusement	Attention	Arousal	Body Parts	EnvSounds	Faces	Food	Language	Laughter	Motion	Music	Sadness	Tools	OtherSetting	Backyard	Kitchen	LivingRoom	ToolTime	OtherPeople	Mark	Randy	Brad	Tim	Jill	Al	Sound	Average Base	Average Location	Average Actor
	AVG Top				TOP			TOP													TOP									
	Max Top							TOP													TOP									
Feature Correlations	Average	0.26	0.20	0.11	0.34	0.28	0.44	0.21	0.56	0.23	0.35	0.37	0.05	0.25	-0.16	-0.13	0.02	0.04	0.45	-0.08	0.07	-0.11	-0.07	0.11	0.01	0.10	0.00	0.28	0.17	0.07
	Highest Sub	0.34	0.37	0.30	0.38	0.46	0.50	0.35	0.63	0.27	0.40	0.63	0.27	0.38	0.02	0.11	0.06	0.27	0.52	0.09	0.24	0.02	-0.03	0.22	0.25	0.28	0.00	0.41	0.28	0.25
Best In Competition	*Average*	*0.49*	*0.46*	*0.32*	*0.32*	*0.65*	*0.67*	*0.22*	*0.76*	*0.61*	*0.51*	*0.84*	*0.48*	*0.62*	*0.31*	*0.34*	*0.21*	*0.35*	*0.52*	*0.31*	*0.10*	*0.14*	*0.09*	*0.31*	*0.65*	*0.56*	*0.08*	*0.49*	*0.31*	*0.46*
	Highest Sub	*0.56*	*0.70*	*0.55*	*0.55*	*0.79*	*0.71*	*0.35*	*0.79*	*0.63*	*0.55*	*0.86*	*0.54*	*0.65*	*0.39*	*0.34*	*0.38*	*0.60*	*0.58*	*0.46*	*0.24*	*0.30*	*0.34*	*0.39*	*0.65*	*0.56*	*0.12*	*0.55*	*0.46*	*0.48*
	Between Sub r	*0.41*	*0.36*	*0.24*	*0.56*	*0.60*	*0.77*	*0.95*	*0.74*	*0.79*	*0.65*	*0.93*	*0.65*	*0.90*																

Average correlation is the average over the three subjects. Top correlation is the correlation for the best subject.