# 2006 Pittsburgh Brain Activity Interpretation Competition Summary Score

**Title:** ***Optimal Estimation of Brain Activation by Application of Kalman Filtering***

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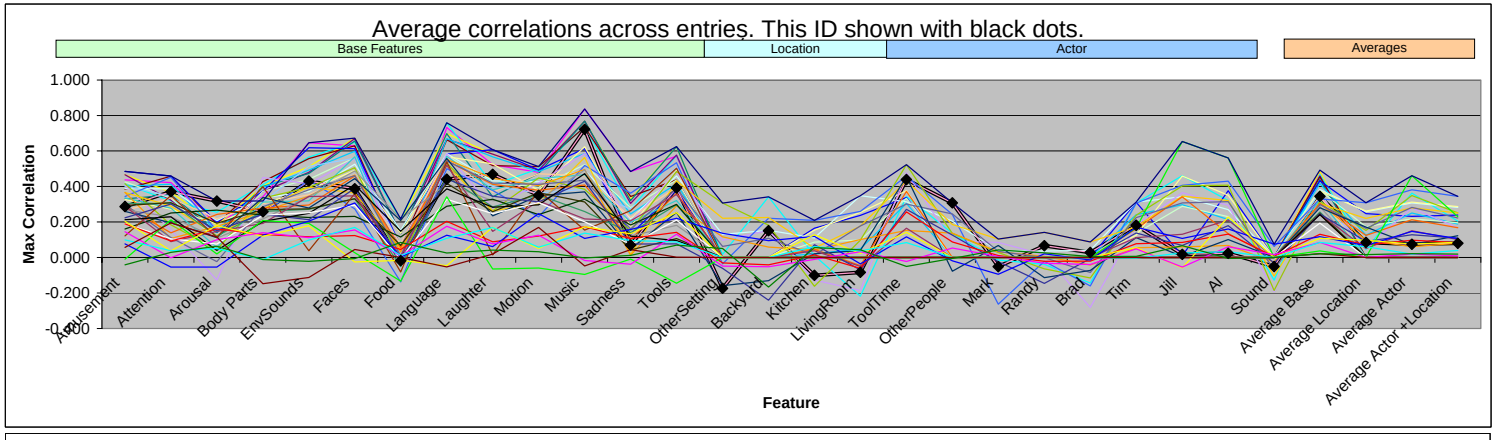
**Rank** **Method Description** **38** **Highest Feature Correlation** **0.788**

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

| | | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Top Predictions** | AVG Top | | | TOP | | | | | | | | | | | | | | | | TOP | | | | | | | | | | |
| | Max Top | | | | | | | | | TOP | | | | | | | | | TOP | TOP | | | | | | | | | | |
| **Feature Correlations** | Average | 0.29 | 0.37 | 0.32 | 0.26 | 0.43 | 0.39 | -0.02 | 0.44 | 0.47 | 0.35 | 0.72 | 0.07 | 0.39 | -0.17 | 0.15 | -0.10 | -0.08 | 0.44 | 0.31 | -0.05 | 0.07 | 0.03 | 0.18 | 0.02 | 0.02 | -0.05 | 0.34 | 0.09 | 0.07 |
| | Highest Sub | 0.37 | 0.49 | 0.42 | 0.30 | 0.50 | 0.41 | 0.06 | 0.59 | 0.59 | 0.49 | 0.79 | 0.18 | 0.45 | -0.04 | 0.21 | -0.06 | 0.27 | 0.58 | 0.46 | 0.02 | 0.21 | 0.04 | 0.32 | 0.08 | 0.16 | 0.02 | 0.43 | 0.26 | 0.19 |
| ***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.*