Table S1. Pattern Forced Choice Classification

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| --- | --- | --- | --- | --- |
|  | Map | Emotion - 5 v 1 (SE) | Emotion - 5 v 3 (SE) | Emotion - 3 v 1 (SE) |
| Pattern |  |  |  |  |
|  | PINES | 100 (0%)+ | 90.7 (4.4%)+ | 100 (0%)+ |
|  | NPS | 19.1 (5.7%)+\* | 69.8 (7%)+\* | 8.8 (3.7%)+\* |
| Average ROI |  |  |  |  |
|  | Amygdala | 70.2 (6.7%)+\* | 44.2 (7.6%)\* | 75.4 (5.7%)+\* |
|  | ACC | 63.8 (7%)\* | 53.5 (7.6%)\* | 71.9 (6%)+\* |
|  | Insula | 68.1 (6.8%)+\* | 53.5 (7.6%)\* | 70.2 (6.1%)+\* |
| Network |  |  |  |  |
|  | Visual | 44.7 (7.3%)\* | 55.8 (7.6%)\* | 49.1 (6.6%)\* |
|  | Somatomotor | 17 (5.5%)+\* | 60.5 (7.5%)\* | 17.5 (5%)+\* |
|  | Dorsal Attention | 63.8 (7%)\* | 27.9 (6.8%)+\* | 93 (3.4%)+ |
|  | Ventral Attention (Salience) | 57.4 (7.2%)\* | 55.8 (7.6%)\* | 52.6 (6.6%)\* |
|  | Limbic | 72.3 (6.5%)+\* | 60.5 (7.5%)\* | 70.2 (6.1%)+\* |
|  | Frontoparietal | 61.7 (7.1%)\* | 41.9 (7.5%)\* | 82.5 (5%)+\* |
|  | Default | 78.7 (6%)+\* | 41.9 (7.5%)\* | 86 (4.6%)+\* |