Parametric RSA applied to Mixed-Gambles Task

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1 Introduction

2 Data

We used the mixed-gambles data from Tom et al. 2007. The data consisted of 3 runs for each of 16 subjects. In each run, 16 different gambling tasks were presented. These tasks varied in the gain amount and loss amount.

Clusters were obtained using a parametric map from `http://neurovault.org/images/10680/`, then applying thresholding using FSL. A size threshold was applied, yielding 28 regions of interest.

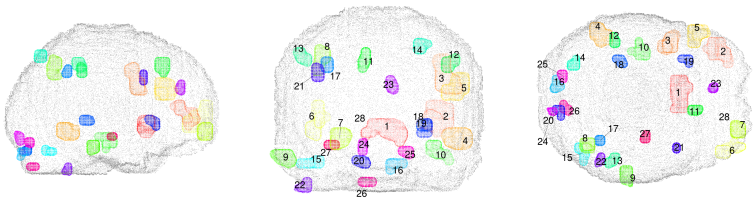

Figure 1: Regions of interest.

The scans were registered to a common template, then a standard linear model-based approach was used to extract an activity level per voxel per event per run. We extracted the regions of interest from the data. For a given region of interest, the data takes the form:

subject	run	gain	loss	voxel 1	voxel 2	...	voxel N
1	1	13	6.5	-222.8994	-373.85025	...	12.038
...	...	...	...	...	...	...	...
16	3	37	18.5	-136.89	-73.49	...	75.068146

where N is the number of voxels in the ROI.