Analyses Plan for FaceWord project

There are four analyses to be done for this project:

1. Group-level analysis;

Contrast pairs: Contrasts.

1. Univariate analysis within surface-based ROIs;

Contrast pairs: Contrasts.

1. Multivariate pattern analysis – decoding within surface-based ROIs;

Decoding pairs: Contrasts.

Classifier: libsvm.

1. Multivariate pattern analysis – searchlight.

Decoding pairs: Contrasts.

Classifier: libsvm.

Contrasts:

'face\_intact' vs 'word\_intact';

'face\_intact' vs 'face\_exchange';

'word\_intact' vs 'word\_exchange';

'face\_top' vs 'face\_bottom';

'word\_top' vs 'word\_bottom'

Labels (ROIs):

FFA1/2: f-vs-o;

VWFA: w-vs-o;

LO: o-vs-scr.

Other information regarding the analyses:

|  |  |  |  |
| --- | --- | --- | --- |
| Analysis | Template | smooth | Runwise\* |
|
| Group-level analysis | fsaverage | 5 | no |
|
| Univariate analysis  ROI (label) | self | 5 | no |
| MVPA – decoding  ROI (label) | self | 0 | yes |
| searchlight | fsaverage | 0 | yes |

Note: “Runwise” whether the first-level results were estimated across runs (no) or for each run separately (yes).