**CONTRASTS FACES-CONSCIOUS**

%-----------------------------------------------------------------------

% Job configuration created by cfg\_util (rev $Rev: 4252 $)

%-----------------------------------------------------------------------

matlabbatch{1}.spm.stats.con.spmmat = '<UNDEFINED>';

matlabbatch{1}.spm.stats.con.consess{1}.tcon.name = 'Neutral';

matlabbatch{1}.spm.stats.con.consess{1}.tcon.convec = 1;

matlabbatch{1}.spm.stats.con.consess{1}.tcon.sessrep = 'none';

matlabbatch{1}.spm.stats.con.consess{2}.tcon.name = 'Happy';

matlabbatch{1}.spm.stats.con.consess{2}.tcon.convec = [0 1];

matlabbatch{1}.spm.stats.con.consess{2}.tcon.sessrep = 'none';

matlabbatch{1}.spm.stats.con.consess{3}.tcon.name = 'Fear';

matlabbatch{1}.spm.stats.con.consess{3}.tcon.convec = [0 0 1];

matlabbatch{1}.spm.stats.con.consess{3}.tcon.sessrep = 'none';

matlabbatch{1}.spm.stats.con.consess{4}.tcon.name = 'Anger';

matlabbatch{1}.spm.stats.con.consess{4}.tcon.convec = [0 0 0 1];

matlabbatch{1}.spm.stats.con.consess{4}.tcon.sessrep = 'none';

matlabbatch{1}.spm.stats.con.consess{5}.tcon.name = 'Sad';

matlabbatch{1}.spm.stats.con.consess{5}.tcon.convec = [0 0 0 0 1];

matlabbatch{1}.spm.stats.con.consess{5}.tcon.sessrep = 'none';

matlabbatch{1}.spm.stats.con.consess{6}.tcon.name = 'Disgust';

matlabbatch{1}.spm.stats.con.consess{6}.tcon.convec = [0 0 0 0 0 1];

matlabbatch{1}.spm.stats.con.consess{6}.tcon.sessrep = 'none';

matlabbatch{1}.spm.stats.con.consess{7}.tcon.name = 'Anger vs Neutral';

matlabbatch{1}.spm.stats.con.consess{7}.tcon.convec = [-1 0 0 1];

matlabbatch{1}.spm.stats.con.consess{7}.tcon.sessrep = 'none';

matlabbatch{1}.spm.stats.con.consess{8}.tcon.name = 'Fear vs Neutral';

matlabbatch{1}.spm.stats.con.consess{8}.tcon.convec = [-1 0 1];

matlabbatch{1}.spm.stats.con.consess{8}.tcon.sessrep = 'none';

matlabbatch{1}.spm.stats.con.consess{9}.tcon.name = 'Happy vs Neutral';

matlabbatch{1}.spm.stats.con.consess{9}.tcon.convec = [-1 1];

matlabbatch{1}.spm.stats.con.consess{9}.tcon.sessrep = 'none';

matlabbatch{1}.spm.stats.con.consess{10}.tcon.name = 'Sad vs Neutral';

matlabbatch{1}.spm.stats.con.consess{10}.tcon.convec = [-1 0 0 0 1];

matlabbatch{1}.spm.stats.con.consess{10}.tcon.sessrep = 'none';

matlabbatch{1}.spm.stats.con.consess{11}.tcon.name = 'Disgust vs Neutral';

matlabbatch{1}.spm.stats.con.consess{11}.tcon.convec = [-1 0 0 0 0 1];

matlabbatch{1}.spm.stats.con.consess{11}.tcon.sessrep = 'none';

matlabbatch{1}.spm.stats.con.consess{12}.tcon.name = 'Negative Affect vs Neutral';

matlabbatch{1}.spm.stats.con.consess{12}.tcon.convec = [-4 0 1 1 1 1];

matlabbatch{1}.spm.stats.con.consess{12}.tcon.sessrep = 'none';

matlabbatch{1}.spm.stats.con.consess{13}.tcon.name = 'Main Effect';

matlabbatch{1}.spm.stats.con.consess{13}.tcon.convec = [1 1 1 1 1 1];

matlabbatch{1}.spm.stats.con.consess{13}.tcon.sessrep = 'none';

matlabbatch{1}.spm.stats.con.consess{14}.tcon.name = 'Fear vs Happy';

matlabbatch{1}.spm.stats.con.consess{14}.tcon.convec = [0 -1 1 0 0 0];

matlabbatch{1}.spm.stats.con.consess{14}.tcon.sessrep = 'none';

matlabbatch{1}.spm.stats.con.consess{15}.tcon.name = 'Anger vs Happy';

matlabbatch{1}.spm.stats.con.consess{15}.tcon.convec = [0 -1 0 1 0 0];

matlabbatch{1}.spm.stats.con.consess{15}.tcon.sessrep = 'none';

matlabbatch{1}.spm.stats.con.consess{16}.tcon.name = 'Sad vs Happy';

matlabbatch{1}.spm.stats.con.consess{16}.tcon.convec = [0 -1 0 0 1 0];

matlabbatch{1}.spm.stats.con.consess{16}.tcon.sessrep = 'none';

matlabbatch{1}.spm.stats.con.consess{17}.tcon.name = 'Disgust vs Happy';

matlabbatch{1}.spm.stats.con.consess{17}.tcon.convec = [0 -1 0 0 0 1];

matlabbatch{1}.spm.stats.con.consess{17}.tcon.sessrep = 'none';

matlabbatch{1}.spm.stats.con.consess{18}.tcon.name = 'Threat vs Neutral';

matlabbatch{1}.spm.stats.con.consess{18}.tcon.convec = [-2 0 1 1 0 0];

matlabbatch{1}.spm.stats.con.consess{18}.tcon.sessrep = 'none';

matlabbatch{1}.spm.stats.con.consess{19}.tcon.name = 'Negative Affect vs Happy';

matlabbatch{1}.spm.stats.con.consess{19}.tcon.convec = [0 -4 1 1 1 1];

matlabbatch{1}.spm.stats.con.consess{19}.tcon.sessrep = 'none';

matlabbatch{1}.spm.stats.con.consess{20}.tcon.name = 'Emotional vs Neutral';

matlabbatch{1}.spm.stats.con.consess{20}.tcon.convec = [-5 1 1 1 1 1];

matlabbatch{1}.spm.stats.con.consess{20}.tcon.sessrep = 'none';

matlabbatch{1}.spm.stats.con.consess{21}.tcon.name = 'Threat vs Happy';

matlabbatch{1}.spm.stats.con.consess{21}.tcon.convec = [0 -2 1 1 ];

matlabbatch{1}.spm.stats.con.consess{21}.tcon.sessrep = 'none';

matlabbatch{1}.spm.stats.con.consess{22}.tcon.name = 'Anger vs Happy';

matlabbatch{1}.spm.stats.con.consess{22}.tcon.convec = [0 -1 0 1 ];

matlabbatch{1}.spm.stats.con.consess{22}.tcon.sessrep = 'none';

matlabbatch{1}.spm.stats.con.delete = 1;

**CONTRASTS FACES-NONCONSCIOUS**

%-----------------------------------------------------------------------

% Job configuration created by cfg\_util (rev $Rev: 4252 $)

%-----------------------------------------------------------------------

matlabbatch{1}.spm.stats.con.spmmat = '<UNDEFINED>';

matlabbatch{1}.spm.stats.con.consess{1}.tcon.name = 'Neutral';

matlabbatch{1}.spm.stats.con.consess{1}.tcon.convec = 1;

matlabbatch{1}.spm.stats.con.consess{1}.tcon.sessrep = 'none';

matlabbatch{1}.spm.stats.con.consess{2}.tcon.name = 'Happy';

matlabbatch{1}.spm.stats.con.consess{2}.tcon.convec = [0 1];

matlabbatch{1}.spm.stats.con.consess{2}.tcon.sessrep = 'none';

matlabbatch{1}.spm.stats.con.consess{3}.tcon.name = 'Fear';

matlabbatch{1}.spm.stats.con.consess{3}.tcon.convec = [0 0 1];

matlabbatch{1}.spm.stats.con.consess{3}.tcon.sessrep = 'none';

matlabbatch{1}.spm.stats.con.consess{4}.tcon.name = 'Anger';

matlabbatch{1}.spm.stats.con.consess{4}.tcon.convec = [0 0 0 1];

matlabbatch{1}.spm.stats.con.consess{4}.tcon.sessrep = 'none';

matlabbatch{1}.spm.stats.con.consess{5}.tcon.name = 'Sad';

matlabbatch{1}.spm.stats.con.consess{5}.tcon.convec = [0 0 0 0 1];

matlabbatch{1}.spm.stats.con.consess{5}.tcon.sessrep = 'none';

matlabbatch{1}.spm.stats.con.consess{6}.tcon.name = 'Disgust';

matlabbatch{1}.spm.stats.con.consess{6}.tcon.convec = [0 0 0 0 0 1];

matlabbatch{1}.spm.stats.con.consess{6}.tcon.sessrep = 'none';

matlabbatch{1}.spm.stats.con.consess{7}.tcon.name = 'Anger vs Neutral';

matlabbatch{1}.spm.stats.con.consess{7}.tcon.convec = [-1 0 0 1];

matlabbatch{1}.spm.stats.con.consess{7}.tcon.sessrep = 'none';

matlabbatch{1}.spm.stats.con.consess{8}.tcon.name = 'Fear vs Neutral';

matlabbatch{1}.spm.stats.con.consess{8}.tcon.convec = [-1 0 1];

matlabbatch{1}.spm.stats.con.consess{8}.tcon.sessrep = 'none';

matlabbatch{1}.spm.stats.con.consess{9}.tcon.name = 'Happy vs Neutral';

matlabbatch{1}.spm.stats.con.consess{9}.tcon.convec = [-1 1];

matlabbatch{1}.spm.stats.con.consess{9}.tcon.sessrep = 'none';

matlabbatch{1}.spm.stats.con.consess{10}.tcon.name = 'Sad vs Neutral';

matlabbatch{1}.spm.stats.con.consess{10}.tcon.convec = [-1 0 0 0 1];

matlabbatch{1}.spm.stats.con.consess{10}.tcon.sessrep = 'none';

matlabbatch{1}.spm.stats.con.consess{11}.tcon.name = 'Disgust vs Neutral';

matlabbatch{1}.spm.stats.con.consess{11}.tcon.convec = [-1 0 0 0 0 1];

matlabbatch{1}.spm.stats.con.consess{11}.tcon.sessrep = 'none';

matlabbatch{1}.spm.stats.con.consess{12}.tcon.name = 'Negative Affect vs Neutral';

matlabbatch{1}.spm.stats.con.consess{12}.tcon.convec = [-4 0 1 1 1 1];

matlabbatch{1}.spm.stats.con.consess{12}.tcon.sessrep = 'none';

matlabbatch{1}.spm.stats.con.consess{13}.tcon.name = 'Main Effect';

matlabbatch{1}.spm.stats.con.consess{13}.tcon.convec = [1 1 1 1 1 1];

matlabbatch{1}.spm.stats.con.consess{13}.tcon.sessrep = 'none';

matlabbatch{1}.spm.stats.con.consess{14}.tcon.name = 'Fear vs Happy';

matlabbatch{1}.spm.stats.con.consess{14}.tcon.convec = [0 -1 1 0 0 0];

matlabbatch{1}.spm.stats.con.consess{14}.tcon.sessrep = 'none';

matlabbatch{1}.spm.stats.con.consess{15}.tcon.name = 'Anger vs Happy';

matlabbatch{1}.spm.stats.con.consess{15}.tcon.convec = [0 -1 0 1 0 0];

matlabbatch{1}.spm.stats.con.consess{15}.tcon.sessrep = 'none';

matlabbatch{1}.spm.stats.con.consess{16}.tcon.name = 'Sad vs Happy';

matlabbatch{1}.spm.stats.con.consess{16}.tcon.convec = [0 -1 0 0 1 0];

matlabbatch{1}.spm.stats.con.consess{16}.tcon.sessrep = 'none';

matlabbatch{1}.spm.stats.con.consess{17}.tcon.name = 'Disgust vs Happy';

matlabbatch{1}.spm.stats.con.consess{17}.tcon.convec = [0 -1 0 0 0 1];

matlabbatch{1}.spm.stats.con.consess{17}.tcon.sessrep = 'none';

matlabbatch{1}.spm.stats.con.consess{18}.tcon.name = 'Threat vs Neutral';

matlabbatch{1}.spm.stats.con.consess{18}.tcon.convec = [-2 0 1 1 0 0];

matlabbatch{1}.spm.stats.con.consess{18}.tcon.sessrep = 'none';

matlabbatch{1}.spm.stats.con.consess{19}.tcon.name = 'Negative Affect vs Happy';

matlabbatch{1}.spm.stats.con.consess{19}.tcon.convec = [0 -4 1 1 1 1];

matlabbatch{1}.spm.stats.con.consess{19}.tcon.sessrep = 'none';

matlabbatch{1}.spm.stats.con.consess{20}.tcon.name = 'Emotional vs Neutral';

matlabbatch{1}.spm.stats.con.consess{20}.tcon.convec = [-5 1 1 1 1 1];

matlabbatch{1}.spm.stats.con.consess{20}.tcon.sessrep = 'none';

matlabbatch{1}.spm.stats.con.consess{21}.tcon.name = 'Threat vs Happy';

matlabbatch{1}.spm.stats.con.consess{21}.tcon.convec = [0 -2 1 1 ];

matlabbatch{1}.spm.stats.con.consess{21}.tcon.sessrep = 'none';

matlabbatch{1}.spm.stats.con.consess{22}.tcon.name = 'Anger vs Happy';

matlabbatch{1}.spm.stats.con.consess{22}.tcon.convec = [0 -1 0 1 ];

matlabbatch{1}.spm.stats.con.consess{22}.tcon.sessrep = 'none';

matlabbatch{1}.spm.stats.con.delete = 1;

**CONTRASTS GONOGO**

%-----------------------------------------------------------------------

% Job configuration created by cfg\_util (rev $Rev: 4252 $)

%-----------------------------------------------------------------------

matlabbatch{1}.spm.stats.con.spmmat = '<UNDEFINED>';

matlabbatch{1}.spm.stats.con.consess{1}.tcon.name = 'Go';

matlabbatch{1}.spm.stats.con.consess{1}.tcon.convec = [1 0 0];

matlabbatch{1}.spm.stats.con.consess{1}.tcon.sessrep = 'none';

matlabbatch{1}.spm.stats.con.consess{2}.tcon.name = 'NoGo';

matlabbatch{1}.spm.stats.con.consess{2}.tcon.convec = [0 1];

matlabbatch{1}.spm.stats.con.consess{2}.tcon.sessrep = 'none';

matlabbatch{1}.spm.stats.con.consess{3}.tcon.name = 'NoGo vs. Go';

matlabbatch{1}.spm.stats.con.consess{3}.tcon.convec = [-1 1];

matlabbatch{1}.spm.stats.con.consess{3}.tcon.sessrep = 'none';

matlabbatch{1}.spm.stats.con.consess{4}.tcon.name = 'Go vs. NoGo';

matlabbatch{1}.spm.stats.con.consess{4}.tcon.convec = [1 -1];

matlabbatch{1}.spm.stats.con.consess{4}.tcon.sessrep = 'none';

matlabbatch{1}.spm.stats.con.consess{5}.tcon.name = 'Main Effect';

matlabbatch{1}.spm.stats.con.consess{5}.tcon.convec = [1 1];

matlabbatch{1}.spm.stats.con.consess{5}.tcon.sessrep = 'none';

matlabbatch{1}.spm.stats.con.delete = 1;

**CONTRASTS EMOCON**

%-----------------------------------------------------------------------

% Job configuration created by cfg\_util (rev $Rev: 4252 $)

%-----------------------------------------------------------------------

matlabbatch{1}.spm.stats.con.spmmat = '<UNDEFINED>';

matlabbatch{1}.spm.stats.con.consess{1}.tcon.name = 'CC';

matlabbatch{1}.spm.stats.con.consess{1}.tcon.convec = 1;

matlabbatch{1}.spm.stats.con.consess{1}.tcon.sessrep = 'none';

matlabbatch{1}.spm.stats.con.consess{2}.tcon.name = 'CI';

matlabbatch{1}.spm.stats.con.consess{2}.tcon.convec = [0 1];

matlabbatch{1}.spm.stats.con.consess{2}.tcon.sessrep = 'none';

matlabbatch{1}.spm.stats.con.consess{3}.tcon.name = 'IC';

matlabbatch{1}.spm.stats.con.consess{3}.tcon.convec = [0 0 1];

matlabbatch{1}.spm.stats.con.consess{3}.tcon.sessrep = 'none';

matlabbatch{1}.spm.stats.con.consess{4}.tcon.name = 'II';

matlabbatch{1}.spm.stats.con.consess{4}.tcon.convec = [0 0 0 1];

matlabbatch{1}.spm.stats.con.consess{4}.tcon.sessrep = 'none';

matlabbatch{1}.spm.stats.con.consess{5}.tcon.name = 'CC-CI';

matlabbatch{1}.spm.stats.con.consess{5}.tcon.convec = [1 -1];

matlabbatch{1}.spm.stats.con.consess{5}.tcon.sessrep = 'none';

matlabbatch{1}.spm.stats.con.consess{6}.tcon.name = 'CI-CC';

matlabbatch{1}.spm.stats.con.consess{6}.tcon.convec = [-1 1];

matlabbatch{1}.spm.stats.con.consess{6}.tcon.sessrep = 'none';

matlabbatch{1}.spm.stats.con.consess{7}.tcon.name = 'CI-II';

matlabbatch{1}.spm.stats.con.consess{7}.tcon.convec = [0 1 0 -1];

matlabbatch{1}.spm.stats.con.consess{7}.tcon.sessrep = 'none';

matlabbatch{1}.spm.stats.con.consess{8}.tcon.name = 'II-CI';

matlabbatch{1}.spm.stats.con.consess{8}.tcon.convec = [0 -1 0 1];

matlabbatch{1}.spm.stats.con.consess{8}.tcon.sessrep = 'none';

matlabbatch{1}.spm.stats.con.consess{9}.tcon.name = 'Faces vs Fixation';

matlabbatch{1}.spm.stats.con.consess{9}.tcon.convec = [1 1 1 1 -4];

matlabbatch{1}.spm.stats.con.consess{9}.tcon.sessrep = 'none';

matlabbatch{1}.spm.stats.con.consess{10}.tcon.name = 'Left';

matlabbatch{1}.spm.stats.con.consess{10}.tcon.convec = [0 0 0 0 0 1];

matlabbatch{1}.spm.stats.con.consess{10}.tcon.sessrep = 'none';

matlabbatch{1}.spm.stats.con.consess{11}.tcon.name = 'Right';

matlabbatch{1}.spm.stats.con.consess{11}.tcon.convec = [0 0 0 0 0 0 1];

matlabbatch{1}.spm.stats.con.consess{11}.tcon.sessrep = 'none';

matlabbatch{1}.spm.stats.con.consess{12}.tcon.name = 'Left-Right';

matlabbatch{1}.spm.stats.con.consess{12}.tcon.convec = [0 0 0 0 0 1 -1];

matlabbatch{1}.spm.stats.con.consess{12}.tcon.sessrep = 'none';

matlabbatch{1}.spm.stats.con.consess{13}.tcon.name = 'Right-Left';

matlabbatch{1}.spm.stats.con.consess{13}.tcon.convec = [0 0 0 0 0 -1 1];

matlabbatch{1}.spm.stats.con.consess{13}.tcon.sessrep = 'none';

matlabbatch{1}.spm.stats.con.delete = 1;

**CONTRASTS EMOREG**

%-----------------------------------------------------------------------

% Job configuration created by cfg\_util (rev $Rev: 4252 $)

%-----------------------------------------------------------------------

matlabbatch{1}.spm.stats.con.spmmat = '<UNDEFINED>';

matlabbatch{1}.spm.stats.con.consess{1}.tcon.name = 'Look\_Neutral';

matlabbatch{1}.spm.stats.con.consess{1}.tcon.convec = 1;

matlabbatch{1}.spm.stats.con.consess{1}.tcon.sessrep = 'none';

matlabbatch{1}.spm.stats.con.consess{2}.tcon.name = 'Look\_Negative';

matlabbatch{1}.spm.stats.con.consess{2}.tcon.convec = [0 1];

matlabbatch{1}.spm.stats.con.consess{2}.tcon.sessrep = 'none';

matlabbatch{1}.spm.stats.con.consess{3}.tcon.name = 'Decrease\_Negative';

matlabbatch{1}.spm.stats.con.consess{3}.tcon.convec = [0 0 1];

matlabbatch{1}.spm.stats.con.consess{3}.tcon.sessrep = 'none';

matlabbatch{1}.spm.stats.con.consess{4}.tcon.name = 'Negative - Neutral';

matlabbatch{1}.spm.stats.con.consess{4}.tcon.convec = [-2 1 1 ];

matlabbatch{1}.spm.stats.con.consess{4}.tcon.sessrep = 'none';

matlabbatch{1}.spm.stats.con.consess{5}.tcon.name = 'Neg Look - Neg Decrease';

matlabbatch{1}.spm.stats.con.consess{5}.tcon.convec = [0 1 -1];

matlabbatch{1}.spm.stats.con.consess{5}.tcon.sessrep = 'none';

matlabbatch{1}.spm.stats.con.consess{6}.tcon.name = 'Negative Images';

matlabbatch{1}.spm.stats.con.consess{6}.tcon.convec = [0 1 1];

matlabbatch{1}.spm.stats.con.consess{6}.tcon.sessrep = 'none';

matlabbatch{1}.spm.stats.con.consess{7}.tcon.name = 'All Images';

matlabbatch{1}.spm.stats.con.consess{7}.tcon.convec = [1 1 1];

matlabbatch{1}.spm.stats.con.consess{7}.tcon.sessrep = 'none';

Keypress = table2struct(readtable('KeyPress\_Onsets.csv'));

if ~isempty([Keypress.ons])

matlabbatch{1}.spm.stats.con.consess{8}.tcon.name = 'Keypress';

matlabbatch{1}.spm.stats.con.consess{8}.tcon.convec = [0 0 0 1];

end

matlabbatch{1}.spm.stats.con.delete = 1;