This archive contains files containing data and analysis from

Project ES/K002457/1

**Component processes of human face perception in typical and atypical individuals**

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| **Study 1: Control – Chimera**  Fisher, K., Towler, J., & Eimer, M. (2016). Effects of contrast inversion on face perception depend on gaze location: Evidence from the N170 component. Cognitive Neuroscience, 7, 1, 128-137. DOI: 10.1080/17588928.2015.1053441 | | | |
| **Study Description** | **File name** | **File Description** | |
| 14 control participants  one-back matching task with contrast manipulated faces | Control\_Chimera.sav | SPSS file of behavioural data | |
| Control\_Chimera\_Variable\_Descriptions.docx | Word file of variable descriptions used in SPSS .sav file | |
| Control\_Chimera\_EEG.zip | Zip file containing EEG data. There are 3 files per participant, the raw EEG (.eeg) with associated header (.vhdr) and marker (.vmrk) files. | |
| Control\_Chimera\_Manuscript.docx | Word file of study manuscript containing analysis instructions | |
| **Study 2: DP – Chimera**  Fisher, K., Towler. J., & Eimer, M. (2016). Reduced sensitivity to contrast signals from the eye region in developmental prosopagnosia. Cortex, 81, 64-78 DOI:10.1016/j.cortex.2016.04.005 | | | |
| **Study Description** | **File name** | **File Description** | |
| 11 DP participants and 11 control participants  one-back matching task with contrast manipulated faces | DP\_Chimera.sav | SPSS file of behavioural data | |
| DP\_Chimera\_Variable\_Descriptions.docx | Word file of variable descriptions used in SPSS .sav file | |
| DP\_Chimera\_EEG.zip | Zip file containing EEG data. There are 3 files per participant, the raw EEG (.eeg) with associated header (.vhdr) and marker (.vmrk) files. | |
| DP\_Chimera\_Manuscript.docx | Word file of study manuscript containing analysis instructions | |
| **Study 3: Control - Identity Expression**  Fisher, K., Towler. J., & Eimer, M. (2016). Facial identity and facial expression are initially integrated at visual perceptual stages of face processing. Neuropsychologia, 80, 115-125 DOI:10.1016/j.neuropsychologia.2015.11.011 | | | |
| **Study Description** | **File name** | **File Description** | |
| 16 control participants  working memory identity matching task  working memory expression matching task | Control\_Identity\_Expression.sav | SPSS file of behavioural data | |
| Control\_Identity\_Expression\_Variable\_Descriptions.docx | Word file of variable descriptions used in SPSS .sav file | |
| Control\_Identity\_Expression\_EEG.zip | Zip file containing EEG data. There are 3 files per participant, the raw EEG (.eeg) with associated header (.vhdr) and marker (.vmrk) files. | |
| Control\_Identity\_Expression\_Manuscript.docx | Word file of study manuscript containing analysis instructions | |
| **Study 4: DP - Face Learning**  Parketny, J., Towler, J., & Eimer, M (2015). The activation of visual face memory and explicit face recognition are delayed in developmental prosopagnosia. Neuropsychologia, 75, 538-547 DOI: 10.1016/j.neuropsychologia.2015.07.009 | | | |
| **Study Description** | **File name** | **File Description** | |
| 10 DP participants and 10 control participants  Unfamiliar face learned as target which had to  be identified amongst a series of distractors | DP\_Face\_Learning.sav | SPSS file of behavioural data | |
| DP\_Face\_Learning\_Variable\_Descriptions.docx | Word file of variable descriptions used in SPSS .sav file | |
| DP\_Face\_Learning\_EEG.zip | Zip file containing EEG data. There are 3 files per participant, the raw EEG (.eeg) with associated header (.vhdr) and marker (.vmrk) files. | |
| DP\_Face\_Learning\_Manuscript.docx | Word file of study manuscript containing analysis instructions | |
| **Study 5: DP - Scrambled**  Towler, J., Parketny, J., & Eimer, M. (2016). Perceptual face processing in developmental prosopagnosia is not sensitive to the canonical location of face parts. *Cortex*, *74*, 53-66. | | | |
| **Study Description** | **File name** | **File Description** | |
| 10 DP participants and 10 control participants  Infrequent one back repetition task. Faces were presented either in an intact configuration of features or the positions of facial features were presented in a scrambled configuration | DP\_Scrambled.sav | SPSS file of behavioural data | |
| DP\_Scrambled\_Variable\_Descriptions.docx | Word file of variable descriptions used in SPSS .sav file | |
| DP\_Scrambled\_EEG.zip | Zip file containing EEG data. There are 3 files per participant, the raw EEG (.eeg) with associated header (.vhdr) and marker (.vmrk) files. | |
| DP\_Scrambled\_Manuscript.docx | Word file of study manuscript containing analysis instructions | |
| **Study 6: Control – Memory Capacity**  Towler, J., Kelly, M., & Eimer, M. (2016). The focus of spatial attention determines the number and precision of face representations in working memory. *Cerebral Cortex*, 26, 2530-2540. doi: 10.1093/cercor/bhv083 | | | |
| **Study Description** | **File name** | **File Description** | |
| 16 participants.  Participants performed a face identity matching task. Either one or two faces had to be memorised in different blocks. | Control\_Memory\_Capacity.sav | SPSS file of behavioural data | |
| Control\_Memory\_Capacity\_Variable\_Descriptions.docx | Word file of variable descriptions used in SPSS .sav file | |
| Control\_Memory\_Capacity\_EEG.zip | Zip file containing EEG data. There are 3 files per participant per block, the raw EEG (.eeg) with associated header (.vhdr) and marker (.vmrk) files. | |
| Control\_Memory\_Capacity\_Manuscript.docx | Word file of study manuscript containing analysis instructions | |
| **Generic** |
|  | **File name** | | **File Description** | |
|  | ConsentForm.doc | | Consent form for participants | |