ResultsSect

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4/11/2018

Descriptives

Participants

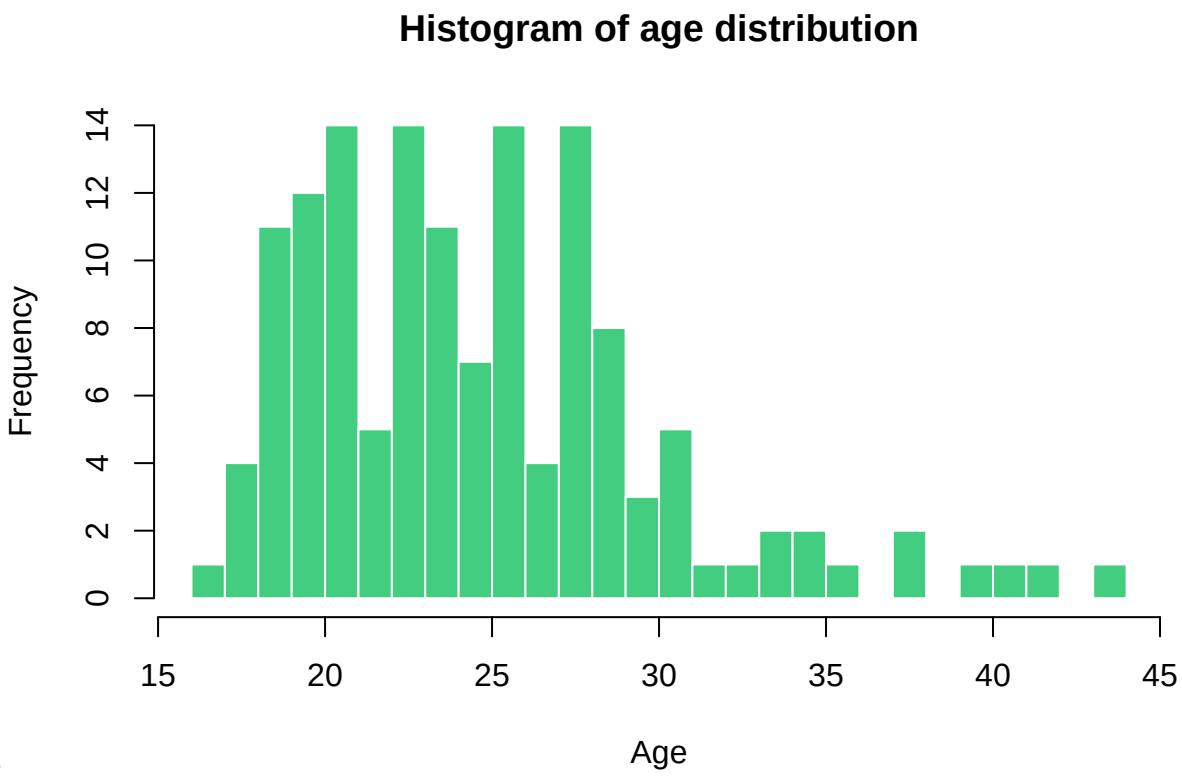
Thirty CW (mean age = 25.80 years, SD = 3.84), 30 CM (mean age = 26.03 years, SD = 5.26), 40 TM (mean age = 24.38 years, SD = 5.35), and 41 TW (mean age = 24.88 years, SD = 6.20) participated in the study. One TW participant was excluded because no results could be extracted from FreeSurfer. Demographics can be observed in Table 1. The sample did not differ significantly in age [F(3, 136) = 0.74, p = 0.528].

Table with demographic information

	vars				
groupn	Group	CW	CM	TM	TW
ager	Age	25.8 ± 3.84	26.03 ± 5.26	24.38 ± 5.35	24.88 ± 6.2
SESr	SES	2.3 ± 0.47	2.23 ± 0.57	2 ± 0.6	1.98 ± 0.7
Edr	Education	3.57 ± 0.9	3.43 ± 0.82	3.15 ± 0.74	2.95 ± 0.81
Hdr	Handedness	1.13 ± 0.35	1.07 ± 0.25	1.07 ± 0.27	1.05 ± 0.22

Code for demographics

The code can be found in markdown version of this file, it is not printed on the PDF



Plot with ages

Results

Repeated measures

Questions: do we want a correlation between regions of the same participant?

Everything for volume is computed here:

Post-hoc tests

In the tables the results for the model with and without covariates are displayed.

	CW vs CM	CW vs TM	CW vs TW	CM vs TM	CM vs TW	TM vs TW
L_fusiform_volume	0.001	0.003	0.419	0	0.143	0
L_inferiorparietal_volume	0.006	0.004	1	0	0.43	0
L_postcentral_volume	0	1	0.032	0	0.636	0.002
L_precentral_volume	0.027	0.963	0.229	0.001	1	0.006
L_frontalpole_volume	0.871	1	0.001	0.562	0.31	0
R_fusiform_volume	0	0	0.811	0	0.204	0
R_inferiorparietal_volume	0.022	0.037	0.208	0	1	0
R_postcentral_volume	0.308	0.731	0.132	0.001	1	0
R_precentral_volume	0	1	0	0	1	0
R_frontalpole_volume	0.005	0.674	1	0	0.038	0.102
LeftCerebellumWhiteMatter	0	0.402	1	0	0	0.184
LeftCerebellumCortex	0	0.085	0	0	1	0
RightCerebellumWhiteMatter	0	0.318	1	0	0.001	0.026
RightCerebellumCortex	0	0.02	0.001	0	0.497	0
LeftThalamusProper	0	0.002	0.733	0	0.003	0

LeftCaudate	0	1	0.002	0	1	0.002
LeftPutamen	0.004	1	0.023	0.002	1	0.009
LeftAccumbensarea	NA	NA	NA	NA	NA	NA
RightThalamusProper	0.01	0	1	0	0.104	0
RightCaudate	0	1	0.007	0	0.703	0.009
RightPutamen	0	0.979	0	0	0.457	0
RightAccumbensarea	NA	NA	NA	NA	NA	NA

	CW vs CM	CW vs TM	CW vs TW	CM vs TM	CM vs TW	TM vs TW
L_fusiform_volume	0.001	0.003	0.419	0	0.143	0
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RightPutamen	0	0.979	0	0	0.457	0
RightAccumbensarea	NA	NA	NA	NA	NA	NA

Then we do the same computations for thickness:

Post-hoc tests

In the tables the results for the model with and without covariates are displayed.

	CW vs CM	CW vs TM	CW vs TW	CM vs TM	CM vs TW	TM vs TW
L_fusiform_thickavg	NA	NA	NA	NA	NA	NA
R_fusiform_thickavg	NA	NA	NA	NA	NA	NA
L_inferiorparietal_thickavg	NA	NA	NA	NA	NA	NA
R_inferiorparietal_thickavg	NA	NA	NA	NA	NA	NA
L_postcentral_thickavg	NA	NA	NA	NA	NA	NA
R_postcentral_thickavg	NA	NA	NA	NA	NA	NA
L_precentral_thickavg	NA	NA	NA	NA	NA	NA
R_precentral_thickavg	NA	NA	NA	NA	NA	NA
L_frontalpole_thickavg	NA	NA	NA	NA	NA	NA
R_frontalpole_thickavg	NA	NA	NA	NA	NA	NA

	CW vs CM	CW vs TM	CW vs TW	CM vs TM	CM vs TW	TM vs TW
L_fusiform_thickavg	NA	NA	NA	NA	NA	NA
R_fusiform_thickavg	NA	NA	NA	NA	NA	NA
L_inferiorparietal_thickavg	NA	NA	NA	NA	NA	NA
R_inferiorparietal_thickavg	NA	NA	NA	NA	NA	NA
L_postcentral_thickavg	NA	NA	NA	NA	NA	NA
R_postcentral_thickavg	NA	NA	NA	NA	NA	NA
L_precentral_thickavg	NA	NA	NA	NA	NA	NA
R_precentral_thickavg	NA	NA	NA	NA	NA	NA
L_frontalpole_thickavg	NA	NA	NA	NA	NA	NA
R_frontalpole_thickavg	NA	NA	NA	NA	NA	NA

And surface area:

Post-hoc tests

In the tables the results for the model with and without covariates are displayed.

```
## Warning in cbind(c(" ", substring(names(data.hyp[, 67:86]), 4)),
## rbind(c("CW vs CM", : number of rows of result is not a multiple of vector
## length (arg 1)
```

	CW vs CM	CW vs TM	CW vs TW	CM vs TM	CM vs TW	TM vs TW
L_fusiform_surfavg	0.001	0.884	1	0	0.002	0.334
R_fusiform_surfavg	0.002	0.281	1	0	0.071	0.247
L_inferiorparietal_surfavg	0	0.539	0.844	0	0.012	0.013
R_inferiorparietal_surfavg	0	1	0.701	0	0.016	0.101
L_postcentral_surfavg	0	0.43	0.55	0.013	0.008	1
R_postcentral_surfavg	NA	NA	NA	NA	NA	NA
L_precentral_surfavg	0	1	0.028	0	0.959	0.069
R_precentral_surfavg	0	0.055	0.004	0.002	0.037	1
L_frontalpole_surfavg	NA	NA	NA	NA	NA	NA
R_frontalpole_surfavg	0	1	1	0	0	1

```
## Warning in cbind(c(" ", substring(names(data.hyp[, 67:86]), 4)),
## rbind(c("CW vs CM", : number of rows of result is not a multiple of vector
## length (arg 1)
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	CW vs CM	CW vs TM	CW vs TW	CM vs TM	CM vs TW	TM vs TW
L_fusiform_surfavg	0.001	0.884	1	0	0.002	0.334
R_fusiform_surfavg	0.002	0.281	1	0	0.071	0.247
L_inferiorparietal_surfavg	0	0.539	0.844	0	0.012	0.013
R_inferiorparietal_surfavg	0	1	0.701	0	0.016	0.101
L_postcentral_surfavg	0	0.43	0.55	0.013	0.008	1
R_postcentral_surfavg	0.01	1	0.594	0.013	0.364	0.771
L_precentral_surfavg	0	1	0.028	0	0.959	0.069
R_precentral_surfavg	0	0.055	0.004	0.002	0.037	1
L_frontalpole_surfavg	NA	NA	NA	NA	NA	NA
R_frontalpole_surfavg	0	1	1	0	0	1