Codebook and explanation of variables (if an explanation is necessary)

|  |  |
| --- | --- |
| subject | subject number |
| tDCS\_condition | tDCS condition |
| presp\_pre | probability of incorrect responses after signal (pre) |
| ssd\_pre | mean stop-signal delay for ~ 50% correct/wrong response (pre) |
| nthRT\_pre | average RT for go-signal to response on signal trials that corresponds to ~50% correct/wrong (pre) |
| ssrt\_pre | SSRT = nthRT – SSD; time from stop-signal to response where ~50% correct/wrong (pre) |
| sRT\_pre | average latency of the incorrectly executed response on signal trials (pre) |
| raceTest\_pre | rt.ns (mean RT no signal) – sRT (mean RT for signal trials; meaning wrong response); should be > 0 (pre) |
| acc.ns\_pre | probability of correct response on no-signal trials (pre) |
| miss.ns\_pre | probability of a missed response on no-signal trials (pre) |
| rt.ns\_pre | mean RT for no-signal trials (pre) |
| presp\_post | probability of incorrect responses after signal (post) |
| ssd\_post | mean stop-signal delay for ~ 50% correct/wrong response (post) |
| nthRT\_post | average RT from go-signal to response on signal trials that corresponds to ~50% correct/wrong (post) |
| ssrt\_post | SSRT = nthRT – SSD; time from stop-signal to response where ~50% correct/wrong (post) |
| sRT\_post | average latency of the incorrectly executed response on signal trials (post) |
| raceTest\_post | rt.ns (mean RT no signal) – sRT (mean RT for signal trials; meaning wrong response); should be > 0 (post) |
| acc.ns\_post | probability of correct response on no-signal trials (post) |
| miss.ns\_post | probability of a missed response on no-signal trials (post) |
| rt.ns\_post | mean RT for no-signal trials (post) |
| sex | Sex of person |
| age | Age of person |
| itching |  in % (von 0 = nothing, 100 = very strong) |
| tingling |  in % (von 0 = nothing, 100 = very strong) |
| headache |  in % (von 0 = nothing, 100 = very strong) |
| burning |  in % (von 0 = nothing, 100 = very strong) |
| discomfort |  in % (von 0 = nothing, 100 = very strong) |
| misc\_side\_effects\_1\_spezifisch | Specific additional side effect mentioned by the participant / 1 |
| misc\_side\_effects\_1 |  in % (von 0 = nothing, 100 = very strong) |
| misc\_side\_effects\_2\_spezifisch | Specific additional side effect mentioned by the participant / 2 |
| misc\_side\_effects\_2 |  in % (von 0 = nothing, 100 = very strong) |
| misc\_side\_effects\_3\_spezifisch | Specific additional side effect mentioned by the participant / 3 |
| misc\_side\_effects\_3 |  in % (von 0 = nothing, 100 = very strong) |
| misc\_side\_effects\_4\_spezifisch | Specific additional side effect mentioned by the participant / 4 |
| misc\_side\_effects\_4 |  in % (von 0 = nothing, 100 = very strong) |
| misc\_side\_effects\_5\_spezifisch | Specific additional side effect mentioned by the participant / 5 |
| misc\_side\_effects\_5 |  in % (von 0 = nothing, 100 = very strong) |
| rampup | side effects over time – during ramp up phase |
| plateau | side effects over time – during plateau phase |
| rampdown | side effects over time – during ramp down phase |
| strateg\_pre | strateg\_pre = rt.ns\_pre / ssrt\_pre. |
| strateg\_post | strateg\_post = rt.ns\_post / ssrt\_post. |
| strateg\_pre2 | strateg\_pre2 = ssd\_pre / ssrt\_pre. |
| strateg\_post2 | strateg\_post2 = ssd\_post / ssrt\_post. |
| dssrt | Delta pre-post for SSRT |
| filter\_$ | subject ~= 4 AND subject ~= 22 AND subject ~= 12 AND subject ~= 17 AND subject ~= 23 AND subject~= 34 AND subject~= 38 (FILTER) |
| filter | Filter for race-test and p(response|signal) |
| dssd | Delta pre-post for SSD |
| dpresp | Delta pre-post for presp |
| dnthRT | Delta pre-post for nthRT |
| dsRT | Delta pre-post for sRT |
| dacc.ns | Delta pre-post for acc.ns |
| dmiss.ns | Delta pre-post for miss.ns |
| drt.ns | Delta pre-post for rt.ns |