ASSIST - results

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library(knitr)
library(kableExtra)
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Descriptives

Descriptive statistics

Table 1: Means

Condition	0	1	0	1	0	1
Intervention_Phase	pre	pre	post1	post1	post2	post2
Angst_im_moment	49.924	49.953	33.694	35.640	57.335	27.598
Angst_Augenkontakt	38.384	38.587	27.006	25.970	50.080	19.179
Time_s.committee	173.89	171.34	169.94	171.63	176.51	177.86
Redefluss.committee	58.205	60.411	62.835	63.572	64.874	66.806
Ausdruck.committee	54.121	58.093	58.432	60.650	59.313	62.159
Sprechweise.committee	48.500	51.028	50.758	53.935	52.694	55.524
Sprechtempo.committee	41.041	43.574	45.136	47.962	52.162	53.635
Gestik_Haltung.committee	40.213	41.576	44.091	44.138	45.457	47.976
Mimik.committee	46.435	46.990	49.988	50.959	52.490	53.452
Blickkontakt.committee	47.065	47.661	48.953	54.163	48.402	55.286
Nervositaet.committee	32.913	36.140	43.679	46.637	46.717	50.226
Gesamturteil.committee	45.157	47.468	48.891	52.298	52.237	55.067
Redefluss.VP	39.348	40.256	52.052	52.293	39.265	61.440
Ausdruck.VP	37.007	37.775	48.459	48.829	36.742	58.524
Sprechweise.VP	45.319	45.039	48.370	50.520	38.250	65.607
Sprechtempo.VP	37.500	37.884	48.274	49.260	35.227	60.881
Gestik_Haltung.VP	30.667	33.930	41.733	43.760	31.902	57.869
Mimik.VP	35.551	36.682	42.185	45.041	34.265	60.976
Blickkontakt.VP	39.942	39.798	51.778	51.724	39.462	66.452
Nervositaet.VP	31.094	33.016	47.578	40.744	33.689	57.500
Gesamturteil.VP	33.377	35.302	43.807	47.024	34.576	61.893
FNEK_Score	38.457	40.186	NA	NA	34.659	37.536
SPIN_Score	22.674	21.651	NA	NA	17.818	17.643
IPQ_Score	NA	NA	-2.40000	0.70732	NA	NA
USX_Score	NA	NA	43.455	59.350	NA	58.250
selfExp_totalDuration	NA	NA	NA	NA	105.591	87.214
socImm_Score	NA	NA	NA	NA	NA	288.14
Angst_Verbesserung	NA	NA	67.932	67.300	50.182	77.321
Blickv_Verbesserung	NA	NA	61.932	64.150	46.341	76.786
Improvisation_Verbesserung	NA	NA	63.477	61.800	47.614	74.321
deltaCort	2.00261	1.28488	NA	NA	0.66182	0.37393

Table 2: SDs

Condition	0	1	0	1	0	1
Intervention_Phase	pre	pre	post1	post1	post2	post2
Angst_im_moment	18.429	19.524	21.945	21.551	28.145	19.225
Angst_Augenkontakt	22.617	21.049	23.301	20.117	31.088	14.522
Time_s.committee	14.8750	16.8832	20.9700	18.4007	11.1199	8.8585
Redefluss.committee	12.1873	12.5351	11.6077	12.0083	10.1023	7.6608
Ausdruck.committee	13.8820	13.6031	12.8242	13.3024	9.5651	9.2193
Sprechweise.committee	11.6750	11.0968	10.9347	12.3343	9.5633	7.6627
Sprechtempo.committee	10.2534	10.1741	9.9653	10.5510	8.4991	6.4205
Gestik_Haltung.committee	12.0478	10.2737	10.8137	10.5474	8.5763	8.8513
Mimik.committee	9.3342	8.3001	9.5932	8.5387	8.0109	7.8179
Blickkontakt.committee	16.195	14.075	16.689	14.843	10.106	7.539
Nervositaet.committee	11.2014	9.5447	10.7610	8.1062	10.1937	8.2049
Gesamturteil.committee	11.7327	11.8804	10.9192	11.1241	8.7483	7.5114
Redefluss.VP	16.090	17.631	18.818	17.546	21.512	18.717
Ausdruck.VP	15.436	17.027	19.636	19.215	20.490	17.874
Sprechweise.VP	17.561	19.548	19.523	19.505	20.399	20.265
Sprechtempo.VP	16.244	15.681	18.931	18.554	21.721	20.177
Gestik_Haltung.VP	13.635	13.774	17.998	17.807	17.193	17.594
Mimik.VP	14.048	14.700	17.139	18.817	19.188	17.524
Blickkontakt.VP	20.221	18.684	19.411	21.482	22.832	18.478
Nervositaet.VP	15.897	15.791	20.999	20.315	22.556	20.895
Gesamturteil.VP	15.364	18.293	19.656	17.542	19.984	21.097
FNEK_Score	9.2225	10.6932	NA	NA	10.6464	10.2216
SPIN_Score	8.0029	10.8603	NA	NA	8.8876	9.9264
IPQ_Score	NA	NA	12.443	11.820	NA	NA
USX_Score	NA	NA	16.885	12.755	NA	13.195
selfExp_totalDuration	NA	NA	NA	NA	159.04	223.74
socImm_Score	NA	NA	NA	NA	NA	105.3
Angst_Verbesserung	NA	NA	16.915	15.479	23.784	13.958
Blickv_Verbesserung	NA	NA	15.564	14.027	21.463	16.331
Improvisation_Verbesserung	NA	NA	16.600	15.227	22.383	17.271
deltaCort	6.7633	5.7210	NA	NA	4.6874	4.7208

Plots

Plot of outcomes
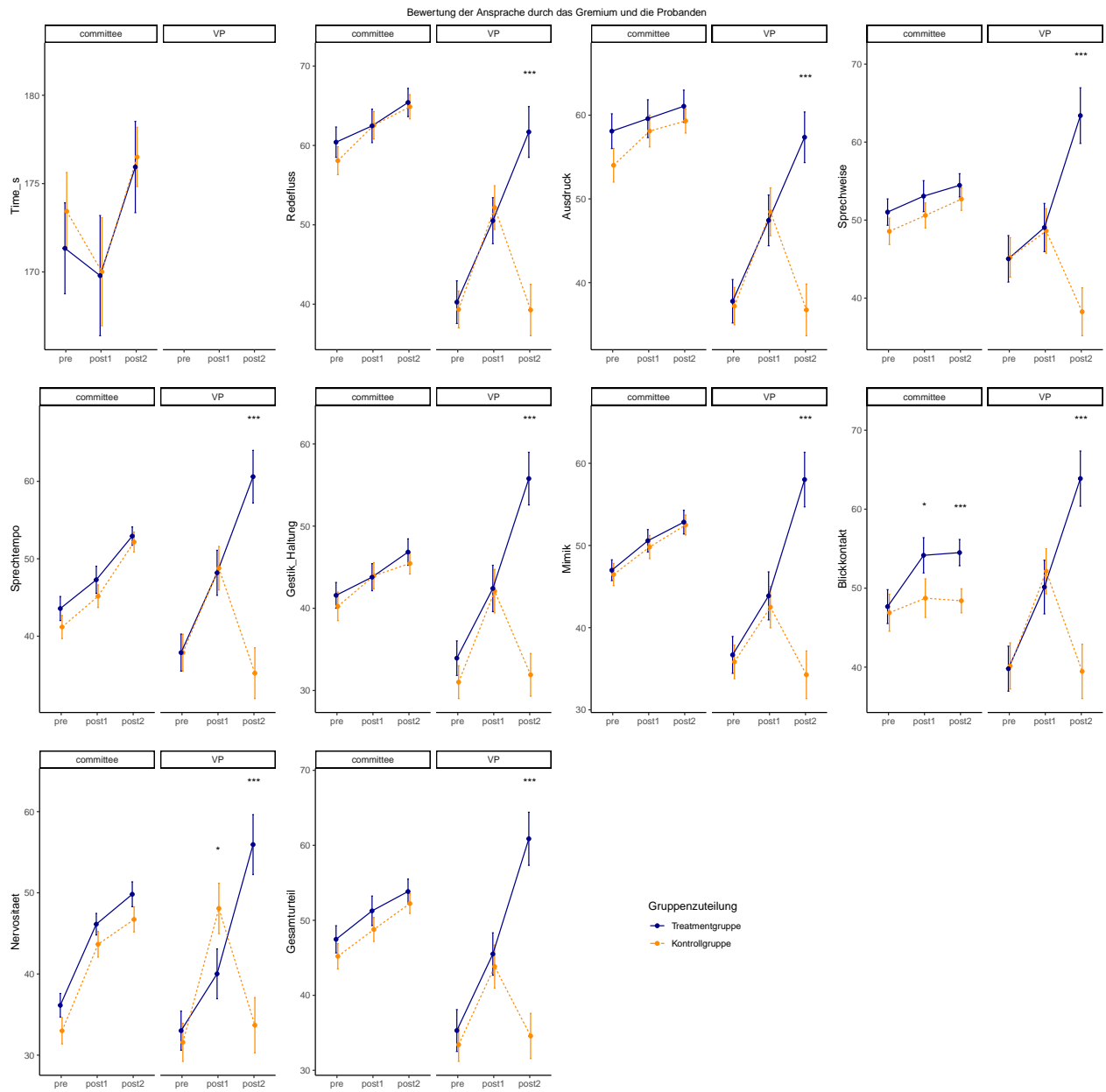
. empfundene Angst (vor Augenkontakt) in Abhängigkeit von Zeitpunkt und Gruppenzute
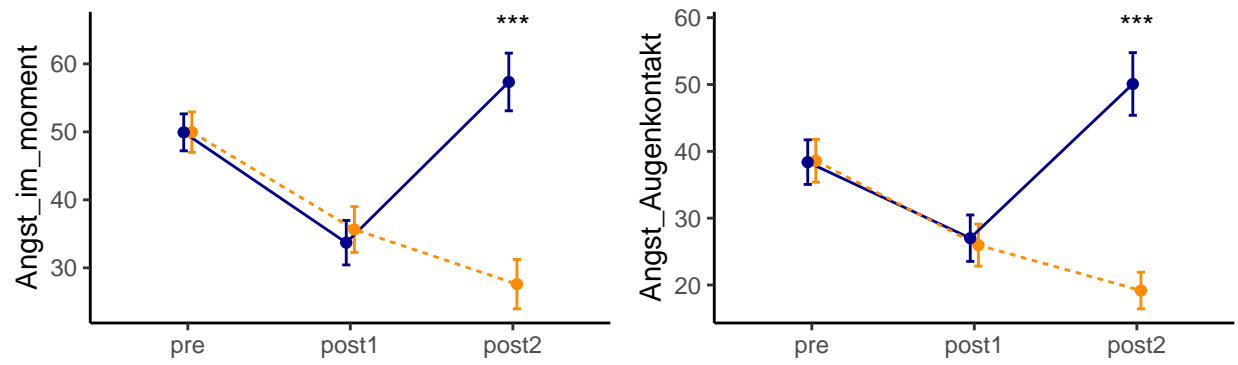
Gruppenzuteilung
- Treatmentgruppe
- Kontrollgruppe

Bewertung der Ansprache durch das Gremium und die Probanden

Fragebogen und Kortisol

Regression

Output of regression model, which was: lme(DV ~ Age + factor(Sex) + factor(Condition) * factor(Intervention_Phase)) if interaction is not significant, the model is recalculated without the interaction term

res_sub_all_DV main_effects_all sub_effects_all summary_N_all

Table 3: Regression Results

DV	IVs	Pr(>Chisq)	t-value	r
Angst_im_moment	Age	0.3607	-0.9141	0.0987
Angst_im_moment	factor(Sex)	0.4235	0.8003	0.0865
Angst_im_moment	factor(Condition)	0.0475	-0.1230	0.0133
Angst_im_moment	factor(Intervention_Phase)	0.0000	NA	NA
Angst_im_moment	factor(Condition):factor(Intervention_Phase)	0.0000	NA	NA
Angst_Augenkontakt	Age	0.1471	-1.4497	0.1553
Angst_Augenkontakt	factor(Sex)	0.4892	0.6915	0.0748
Angst_Augenkontakt	factor(Condition)	0.0252	-0.1393	0.0151
Angst_Augenkontakt	factor(Intervention_Phase)	0.0000	NA	NA
Angst_Augenkontakt	factor(Condition):factor(Intervention_Phase)	0.0000	NA	NA
Time_s.committee	Age	0.1162	-1.5709	0.1680
Time_s.committee	factor(Sex)	0.1449	-1.4576	0.1562
Time_s.committee	factor(Condition)	0.5977	-0.5277	0.0571
Time_s.committee	factor(Intervention_Phase)	0.0009	NA	NA
Time_s.committee	factor(Condition):factor(Intervention_Phase)	0.3943	NA	NA
Redefluss.committee	Age	0.9518	-0.0604	0.0066
Redefluss.committee	factor(Sex)	0.0569	-1.9040	0.2023
Redefluss.committee	factor(Condition)	0.4836	0.7005	0.0758
Redefluss.committee	factor(Intervention_Phase)	0.0000	NA	NA
Redefluss.committee	factor(Condition):factor(Intervention_Phase)	0.5750	NA	NA
Ausdruck.committee	Age	0.6818	0.4101	0.0444
Ausdruck.committee	factor(Sex)	0.1175	-1.5654	0.1674
Ausdruck.committee	factor(Condition)	0.2282	1.2049	0.1296
Ausdruck.committee	factor(Intervention_Phase)	0.0000	NA	NA
Ausdruck.committee	factor(Condition):factor(Intervention_Phase)	0.4071	NA	NA
Sprechweise.committee	Age	0.6703	-0.4257	0.0461
Sprechweise.committee	factor(Sex)	0.0857	-1.7183	0.1832
Sprechweise.committee	factor(Condition)	0.2001	1.2813	0.1377
Sprechweise.committee	factor(Intervention_Phase)	0.0002	NA	NA
Sprechweise.committee	factor(Condition):factor(Intervention_Phase)	0.8836	NA	NA
Sprechtempo.committee	Age	0.5077	-0.6624	0.0717
Sprechtempo.committee	factor(Sex)	0.1474	-1.4487	0.1552
Sprechtempo.committee	factor(Condition)	0.2111	1.2507	0.1344
Sprechtempo.committee	factor(Intervention_Phase)	0.0000	NA	NA
Sprechtempo.committee	factor(Condition):factor(Intervention_Phase)	0.7675	NA	NA
Gestik_Haltung.committee	Age	0.4955	-0.6816	0.0737
Gestik_Haltung.committee	factor(Sex)	0.2748	-1.0920	0.1176
Gestik_Haltung.committee	factor(Condition)	0.7143	0.3660	0.0397
Gestik_Haltung.committee	factor(Intervention_Phase)	0.0000	NA	NA
Gestik_Haltung.committee	factor(Condition):factor(Intervention_Phase)	0.6779	NA	NA
Mimik.committee	Age	0.6168	-0.5004	0.0542
Mimik.committee	factor(Sex)	0.3530	-0.9289	0.1002
Mimik.committee	factor(Condition)	0.6490	0.4551	0.0493
Mimik.committee	factor(Intervention_Phase)	0.0000	NA	NA
Mimik.committee	factor(Condition):factor(Intervention_Phase)	0.9477	NA	NA

Table 4: Regression Results

DV	IVs	Pr(>Chisq)	t-value	r
Blickkontakt.committee	Age	0.8826	-0.1476	0.0160
Blickkontakt.committee	factor(Sex)	0.1501	-1.4390	0.1542
Blickkontakt.committee	factor(Condition)	0.1084	0.2438	0.0264
Blickkontakt.committee	factor(Intervention_Phase)	0.0001	NA	NA
Blickkontakt.committee	factor(Condition):factor(Intervention_Phase)	0.0054	NA	NA
Nervositaet.committee	Age	0.9738	0.0328	0.0036
Nervositaet.committee	factor(Sex)	0.0021	-3.0706	0.3160
Nervositaet.committee	factor(Condition)	0.0448	2.0069	0.2127
Nervositaet.committee	factor(Intervention_Phase)	0.0000	NA	NA
Nervositaet.committee	factor(Condition):factor(Intervention_Phase)	0.5850	NA	NA
Gesamturteil.committee	Age	0.6140	-0.5044	0.0546
Gesamturteil.committee	factor(Sex)	0.0239	-2.2580	0.2379
Gesamturteil.committee	factor(Condition)	0.2116	1.2491	0.1343
Gesamturteil.committee	factor(Intervention_Phase)	0.0000	NA	NA
Gesamturteil.committee	factor(Condition):factor(Intervention_Phase)	0.7897	NA	NA
Redefluss.VP	Age	0.7704	-0.2919	0.0316
Redefluss.VP	factor(Sex)	0.0386	-2.0685	0.2189
Redefluss.VP	factor(Condition)	0.0385	0.2803	0.0304
Redefluss.VP	factor(Intervention_Phase)	0.0000	NA	NA
Redefluss.VP	factor(Condition):factor(Intervention_Phase)	0.0000	NA	NA
Ausdruck.VP	Age	0.5420	0.6098	0.0660
Ausdruck.VP	factor(Sex)	0.0063	-2.7327	0.2842
Ausdruck.VP	factor(Condition)	0.0292	0.3714	0.0402
Ausdruck.VP	factor(Intervention_Phase)	0.0000	NA	NA
Ausdruck.VP	factor(Condition):factor(Intervention_Phase)	0.0000	NA	NA
Sprechweise.VP	Age	0.8744	0.1581	0.0171
Sprechweise.VP	factor(Sex)	0.1335	-1.5005	0.1606
Sprechweise.VP	factor(Condition)	0.0300	0.0092	0.0010
Sprechweise.VP	factor(Intervention_Phase)	0.0977	NA	NA
Sprechweise.VP	factor(Condition):factor(Intervention_Phase)	0.0000	NA	NA
Sprechtempo.VP	Age	0.7303	0.3448	0.0374
Sprechtempo.VP	factor(Sex)	0.0202	-2.3222	0.2443
Sprechtempo.VP	factor(Condition)	0.0237	0.2314	0.0251
Sprechtempo.VP	factor(Intervention_Phase)	0.0000	NA	NA
Sprechtempo.VP	factor(Condition):factor(Intervention_Phase)	0.0000	NA	NA
Gestik_Haltung.VP	Age	0.7831	-0.2753	0.0298
Gestik_Haltung.VP	factor(Sex)	0.1039	-1.6262	0.1737
Gestik_Haltung.VP	factor(Condition)	0.0031	0.9750	0.1052
Gestik_Haltung.VP	factor(Intervention_Phase)	0.0000	NA	NA
Gestik_Haltung.VP	factor(Condition):factor(Intervention_Phase)	0.0000	NA	NA
Mimik.VP	Age	0.8766	-0.1553	0.0168
Mimik.VP	factor(Sex)	0.0751	-1.7797	0.1895
Mimik.VP	factor(Condition)	0.0062	0.3676	0.0398
Mimik.VP	factor(Intervention_Phase)	0.0000	NA	NA
Mimik.VP	factor(Condition):factor(Intervention_Phase)	0.0000	NA	NA

Table 5: Regression Results

DV	IVs	Pr(>Chisq)	t-value	r
Blickkontakt.VP	Age	0.9298	0.0882	0.0096
Blickkontakt.VP	factor(Sex)	0.0683	-1.8230	0.1940
Blickkontakt.VP	factor(Condition)	0.0346	0.0474	0.0051
Blickkontakt.VP	factor(Intervention_Phase)	0.0000	NA	NA
Blickkontakt.VP	factor(Condition):factor(Intervention_Phase)	0.0000	NA	NA
Nervositaet.VP	Age	0.8076	0.2435	0.0264
Nervositaet.VP	factor(Sex)	0.0401	-2.0529	0.2173
Nervositaet.VP	factor(Condition)	0.1142	0.5678	0.0615
Nervositaet.VP	factor(Intervention_Phase)	0.0000	NA	NA
Nervositaet.VP	factor(Condition):factor(Intervention_Phase)	0.0000	NA	NA
Gesamturteil.VP	Age	0.9613	-0.0485	0.0053
Gesamturteil.VP	factor(Sex)	0.0096	-2.5914	0.2706
Gesamturteil.VP	factor(Condition)	0.0031	0.5910	0.0640
Gesamturteil.VP	factor(Intervention_Phase)	0.0000	NA	NA
Gesamturteil.VP	factor(Condition):factor(Intervention_Phase)	0.0000	NA	NA
FNEK_Score	Age	0.2342	-1.1897	0.1280
FNEK_Score	factor(Sex)	0.1452	1.4568	0.1561
FNEK_Score	factor(Condition)	0.4608	0.7376	0.0797
FNEK_Score	factor(Intervention_Phase)	0.0001	NA	NA
FNEK_Score	factor(Condition):factor(Intervention_Phase)	0.7819	NA	NA
SPIN_Score	Age	0.0351	-2.1069	0.2228
SPIN_Score	factor(Sex)	0.8383	-0.2041	0.0221
SPIN_Score	factor(Condition)	0.5553	-0.5898	0.0638
SPIN_Score	factor(Intervention_Phase)	0.0000	NA	NA
SPIN_Score	factor(Condition):factor(Intervention_Phase)	0.6217	NA	NA
Angst_Verbesserung	Age	0.0038	-2.8963	0.3046
Angst_Verbesserung	factor(Sex)	0.2501	-1.1501	0.1260
Angst_Verbesserung	factor(Condition)	0.0002	-0.3728	0.0411
Angst_Verbesserung	factor(Intervention_Phase)	0.0372	NA	NA
Angst_Verbesserung	factor(Condition):factor(Intervention_Phase)	0.0000	NA	NA
Blickv_Verbesserung	Age	0.1141	-1.5798	0.1719
Blickv_Verbesserung	factor(Sex)	0.4276	-0.7933	0.0873
Blickv_Verbesserung	factor(Condition)	0.0000	0.4843	0.0534
Blickv_Verbesserung	factor(Intervention_Phase)	0.1389	NA	NA
Blickv_Verbesserung	factor(Condition):factor(Intervention_Phase)	0.0000	NA	NA
Improvisation_Verbesserung	Age	0.0349	-2.1099	0.2269
Improvisation_Verbesserung	factor(Sex)	0.3237	-0.9868	0.1083
Improvisation_Verbesserung	factor(Condition)	0.0013	-0.5905	0.0651
Improvisation_Verbesserung	factor(Intervention_Phase)	0.1384	NA	NA
Improvisation_Verbesserung	factor(Condition):factor(Intervention_Phase)	0.0000	NA	NA
deltaCort	Age	0.0919	1.6852	0.1798
deltaCort	factor(Sex)	0.0276	-2.2030	0.2324
deltaCort	factor(Condition)	0.8413	-0.2002	0.0217
deltaCort	factor(Intervention_Phase)	0.0759	NA	NA
deltaCort	factor(Condition):factor(Intervention_Phase)	0.7379	NA	NA