

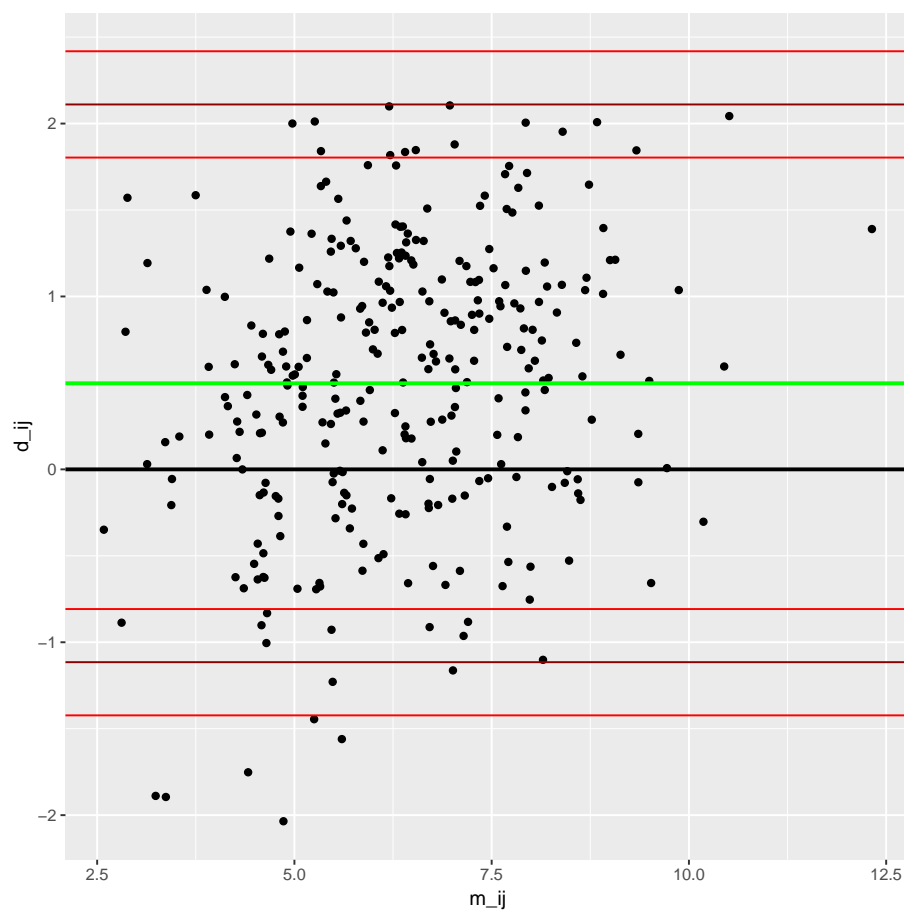
Results of modified Bland Altman analysis

Inga Könemund

26. März 2019

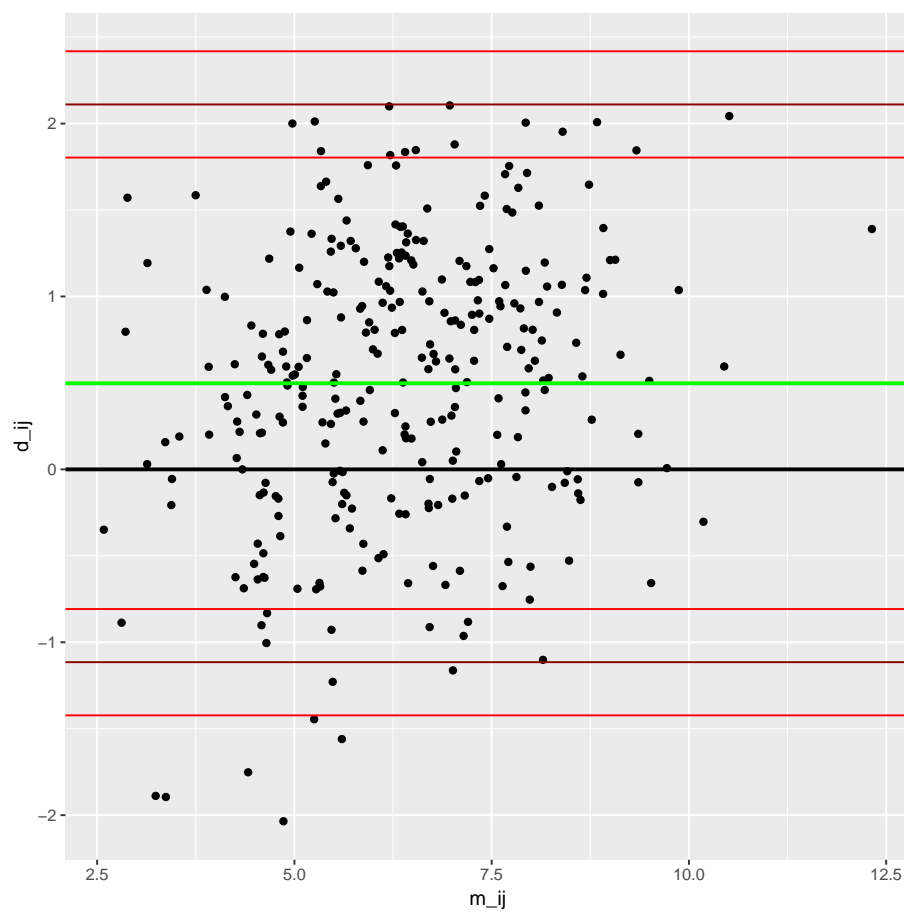
1 Analysis results

	value	+/- SE
Bias	0.4976740	
SD of the differences	0.8229147	
lower limit of agreement	-1.1152388	
upper limit of agreement	2.1105868	
MOVER CI lower LoA	-1.4228783	-0.8080125
MOVER CI upper LoA	1.8033605	2.4182263
BT CI lower LoA	-1.4494705	-0.6767333
BT CI upper LoA	1.7378850	2.2282147
BA CI lower LoA	-1.6141143	-0.6163633
BA CI upper LoA	1.6117113	2.6094623
Within-subject variance (WSV)	0.1861722	
Between-subject variance (BSV)	0.4910164	



2 Analysis results (modified)

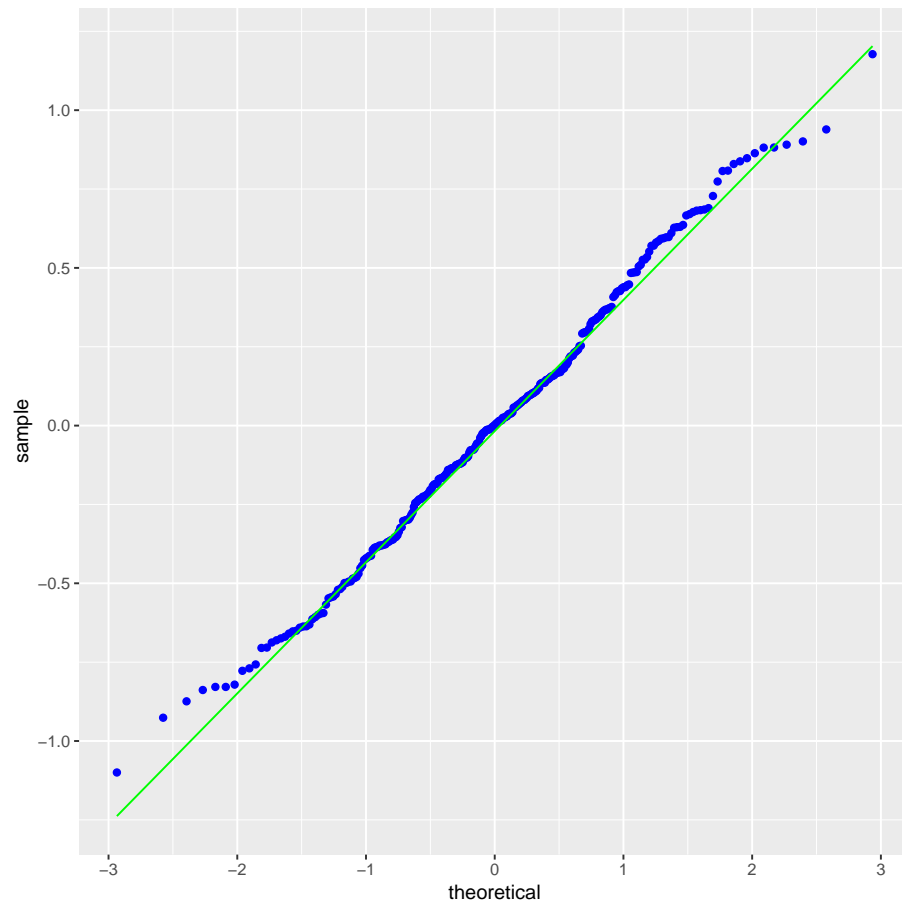
	value	+/- SE
Bias	0.4976740	
SD of the differences	0.8229147	
lower limit of agreement	-1.1152388	
upper limit of agreement	2.1105868	
MOVER CI lower LoA	-1.4228783	-0.8080125
MOVER CI upper LoA	1.8033605	2.4182263
BT CI lower LoA	-1.5108278	-0.5985976
BT CI upper LoA	1.8593547	2.5086005
BA CI lower LoA	-1.6141143	-0.6163633
BA CI upper LoA	1.6117113	2.6094623
Within-subject variance (WSV)	0.1861722	
Between-subject variance (BSV)	0.4910164	



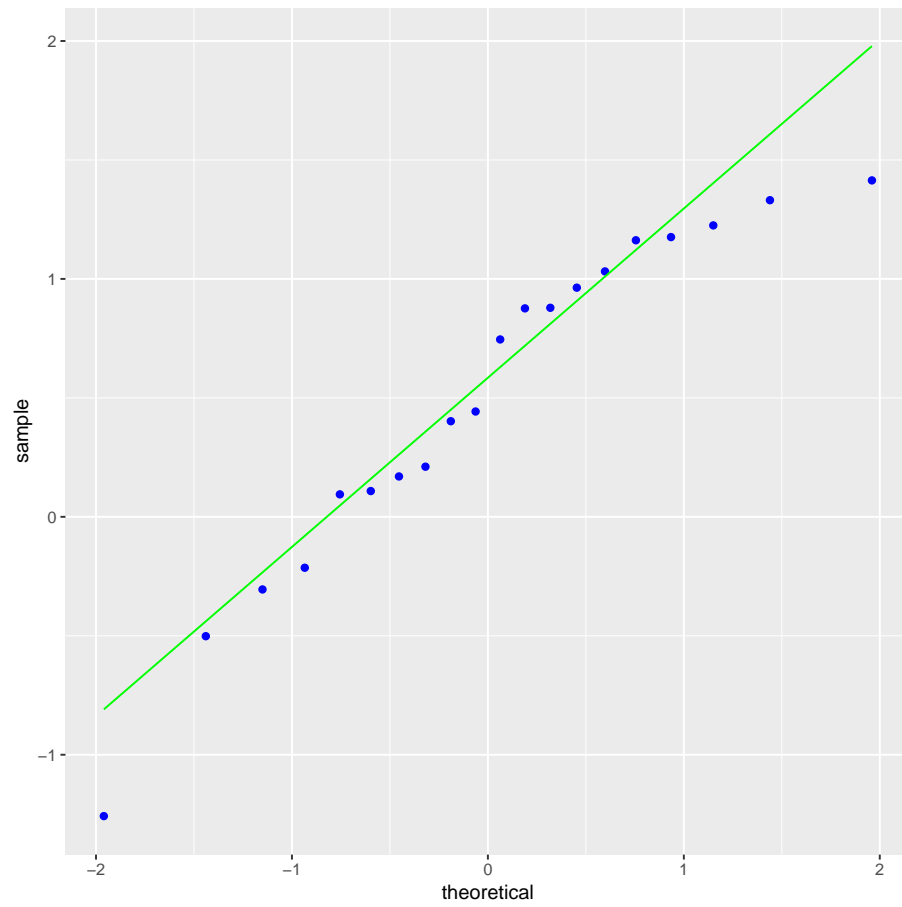
3 Repeatability coefficients

	value
SX:	1.5701615
SY:	1.5497132
SX/SY:	1.0131949
mean X:	6.6060381
mean Y:	6.1083641

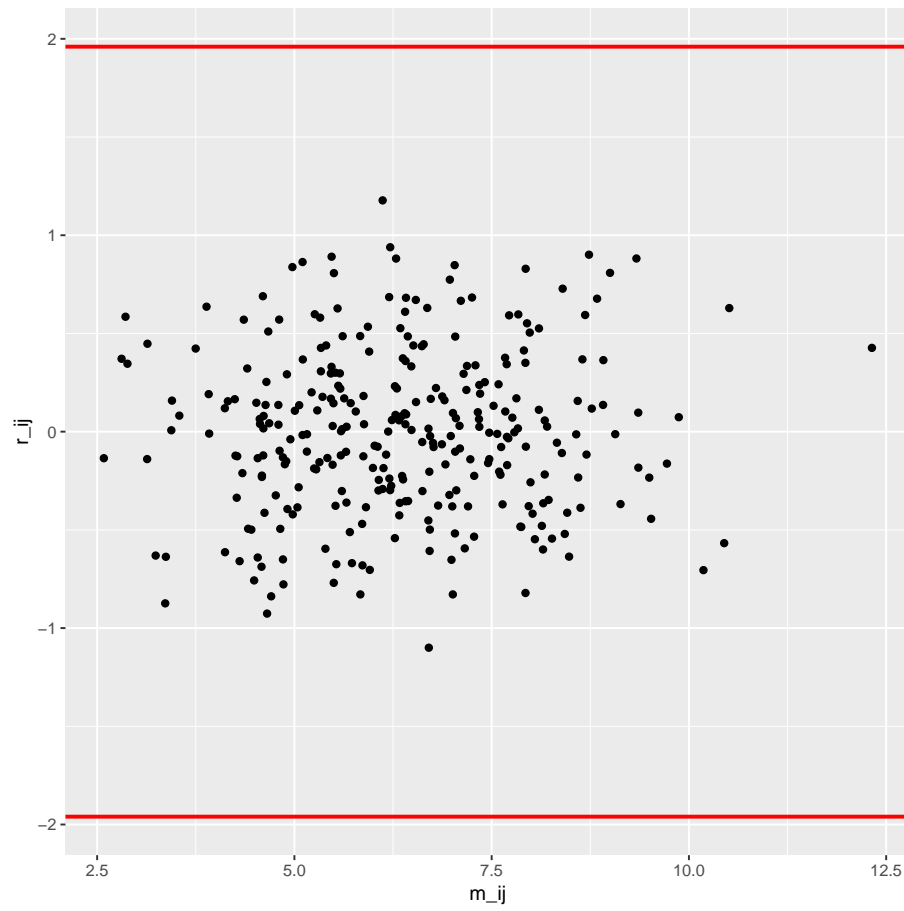
4 Q-Q plot of the residuals



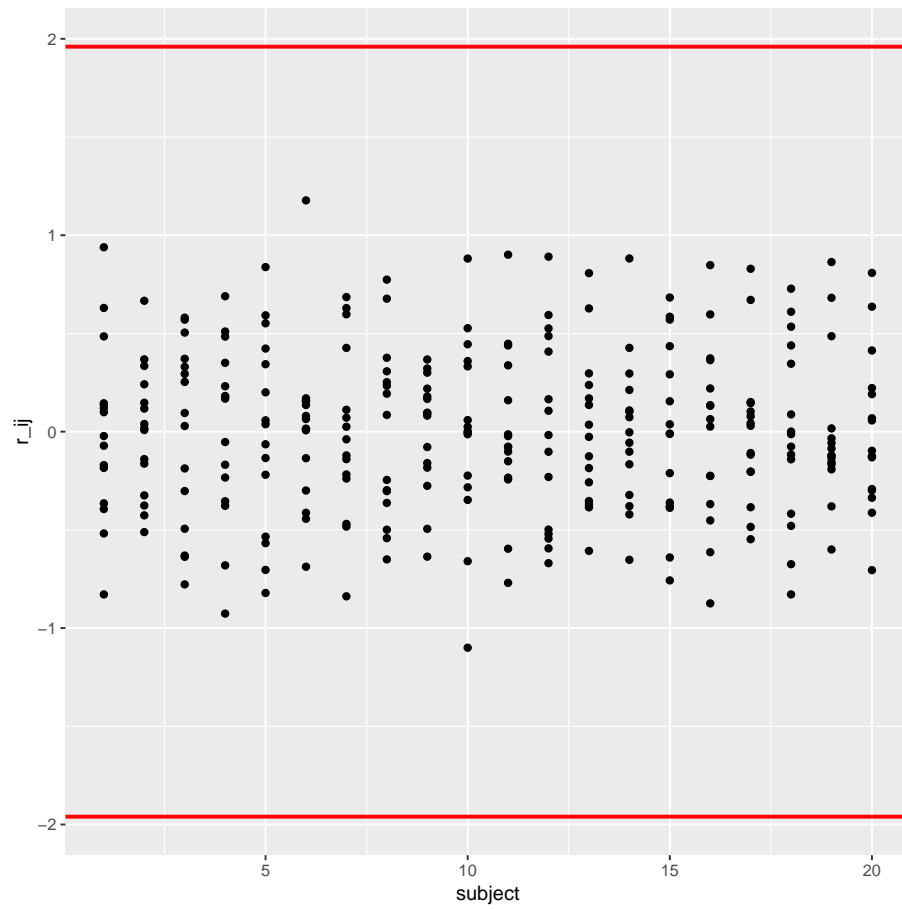
5 Q-Q plot of the individual means



6 Plot of the residuals vs mean



7 Plot of the residuals vs ID



8 Individual means of differences

subject	Mean	M
1	0.8786727	15
2	0.1697973	15
3	-1.2579040	15
4	0.0944813	15
5	1.1625367	15
6	-0.2139313	15
7	1.4141673	15
8	1.3310160	15
9	0.1084060	15
10	0.8762600	15
11	0.7456387	15
12	0.4427293	15
13	-0.3051773	15
14	0.9632920	15
15	0.2107773	15
16	1.0315840	15
17	1.1759320	15
18	1.2249780	15
19	-0.5016893	15
20	0.4019133	15

9 Residuals

subject	ID (Messung)	Residual
1	1	0.9389873
1	2	0.4850573
1	3	0.1361873
1	4	0.1446073
1	5	-0.0714327
1	6	0.1193073
1	7	-0.0220927
1	8	-0.8284927
1	9	0.0990673
1	10	0.6300173
1	11	-0.1845527
1	12	-0.3645827
1	13	-0.3937227
1	14	-0.5181027
1	15	-0.1702527
2	1	-0.5111973
2	2	0.2412227
2	3	-0.1626273
2	4	0.3681127
2	5	-0.1395673
2	6	-0.3243573
2	7	-0.4260773
2	8	0.0085427
2	9	0.6663427
2	10	0.3347127
2	11	0.1176127
2	12	-0.3760473
2	13	0.0393327
2	14	0.1472827
2	15	0.0167127
3	1	0.2533840
3	2	-0.3022060
3	3	0.3301440
3	4	-0.6306260
3	5	-0.1871560
3	6	0.5045640
3	7	0.3711740
3	8	0.2945340
3	9	-0.7773760
3	10	0.0289640
3	11	0.5701540
3	12	0.5804940
3	13	-0.6369760
3	14	-0.4941460

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subject	ID (Messung)	Residual
	3	15 0.0950740
	4	1 -0.9260913
	4	2 -0.0527413
	4	3 -0.3773113
	4	4 0.4840287
	4	5 0.1773487
	4	6 -0.2333513
	4	7 0.1818187
	4	8 0.5100087
	4	9 -0.1683113
	4	10 0.1680987
	4	11 -0.6806513
	4	12 0.2312687
	4	13 0.6895687
	4	14 -0.3541713
	4	15 0.3504887
	5	1 0.5922733
	5	2 0.0578033
	5	3 0.2002833
	5	4 0.8378933
	5	5 -0.0641967
	5	6 -0.2192967
	5	7 0.0378933
	5	8 -0.5344467
	5	9 -0.1340767
	5	10 -0.5675367
	5	11 0.3434433
	5	12 0.4231033
	5	13 0.5517933
	5	14 -0.7037267
	5	15 -0.8212067
	6	1 0.1565513
	6	2 0.1359813
	6	3 -0.4435187
	6	4 -0.2994987
	6	5 0.0071713
	6	6 0.0801013
	6	7 0.1581513
	6	8 0.0155613
	6	9 0.1697513
	6	10 -0.4129987
	6	11 0.0131313
	6	12 1.1775813
	6	13 0.0647013

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subject	ID (Messung)	Residual
6	14	-0.1350787
6	15	-0.6875887
7	1	-0.1207973
7	2	0.4265927
7	3	0.6852127
7	4	-0.4694373
7	5	-0.1397373
7	6	-0.2385773
7	7	0.1113827
7	8	-0.2179173
7	9	0.5978027
7	10	-0.8382673
7	11	-0.0387673
7	12	-0.4832573
7	13	0.6292127
7	14	0.0713027
7	15	0.0252527
8	1	0.3763040
8	2	-0.5419360
8	3	0.0853740
8	4	-0.3024060
8	5	-0.6502560
8	6	-0.3627660
8	7	0.6771340
8	8	-0.2455560
8	9	-0.2977060
8	10	0.7739640
8	11	0.2338240
8	12	0.3073440
8	13	0.2521540
8	14	-0.4989360
8	15	0.1934640
9	1	0.1670940
9	2	0.0968440
9	3	0.3676140
9	4	-0.6362260
9	5	0.0815640
9	6	0.2191640
9	7	-0.1831260
9	8	0.0939440
9	9	-0.1597460
9	10	-0.2757660
9	11	-0.4946260
9	12	0.3004240

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subject	ID (Messung)	Residual
9	13	0.1793540
9	14	-0.0782360
9	15	0.3217240
10	1	0.3595200
10	2	-0.6592600
10	3	0.5268200
10	4	-1.0997800
10	5	-0.2235700
10	6	-0.0051200
10	7	0.4449900
10	8	0.0024100
10	9	0.8813900
10	10	-0.0129600
10	11	-0.3474700
10	12	-0.2831300
10	13	0.0247500
10	14	0.0589700
10	15	0.3324400
11	1	-0.1505287
11	2	-0.0135587
11	3	0.4476413
11	4	-0.0781987
11	5	-0.1013787
11	6	-0.0225787
11	7	0.1600613
11	8	-0.2431287
11	9	0.4389113
11	10	0.3377813
11	11	-0.7696587
11	12	-0.2339787
11	13	0.9009913
11	14	-0.0764487
11	15	-0.5959287
12	1	-0.5205593
12	2	-0.0170593
12	3	-0.2305393
12	4	0.4076607
12	5	-0.4984293
12	6	0.5939307
12	7	0.5257107
12	8	-0.1022993
12	9	-0.6693393
12	10	0.1064707
12	11	0.1652907

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subject	ID (Messung)	Residual
12	12	-0.5442593
12	13	-0.5941293
12	14	0.8907707
12	15	0.4867807
13	1	-0.6071427
13	2	0.2376773
13	3	0.0355673
13	4	-0.0263227
13	5	0.6274973
13	6	0.2969073
13	7	0.8071773
13	8	-0.1853727
13	9	-0.3700727
13	10	-0.3530827
13	11	-0.2577327
13	12	0.1695573
13	13	0.1360473
13	14	-0.3852927
13	15	-0.1254127
14	1	-0.4210920
14	2	-0.1018320
14	3	0.2124680
14	4	-0.3790620
14	5	0.1026980
14	6	0.2961680
14	7	-0.1658920
14	8	0.0736980
14	9	0.4267080
14	10	-0.6523120
14	11	-0.3221220
14	12	0.1082280
14	13	0.8817480
14	14	-0.0561620
14	15	-0.0032420
15	1	0.6830527
15	2	0.1548327
15	3	-0.0112073
15	4	0.4352627
15	5	-0.3608373
15	6	-0.0097973
15	7	-0.6405473
15	8	-0.2110873
15	9	-0.3803773
15	10	0.2919527

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subject	ID (Messung)	Residual
15	11	-0.7572173
15	12	0.5851827
15	13	0.5706227
15	14	-0.3875673
15	15	0.0377327
16	1	-0.2249140
16	2	-0.4518740
16	3	-0.3686440
16	4	0.3733660
16	5	0.1316860
16	6	-0.6135940
16	7	0.5968860
16	8	0.2200360
16	9	0.3642060
16	10	0.0639060
16	11	0.1347660
16	12	0.8478160
16	13	0.0258860
16	14	-0.8741140
16	15	-0.2254140
17	1	0.1508180
17	2	-0.4850420
17	3	-0.1169020
17	4	-0.3847020
17	5	0.0298280
17	6	-0.5475320
17	7	0.0785280
17	8	0.0428780
17	9	0.1452580
17	10	0.8293980
17	11	0.6706880
17	12	0.1027480
17	13	-0.2034720
17	14	-0.1086520
17	15	-0.2038420
18	1	0.4389720
18	2	0.3459020
18	3	0.5344820
18	4	-0.4795780
18	5	0.6104820
18	6	-0.1165580
18	7	-0.0126680
18	8	-0.8284880
18	9	0.0879820

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subject	ID (Messung)	Residual
18	10	-0.1405680
18	11	0.7280220
18	12	-0.4176880
18	13	0.0006820
18	14	-0.0763080
18	15	-0.6746680
19	1	-0.3803007
19	2	-0.1220407
19	3	-0.1917807
19	4	-0.0337607
19	5	-0.1551107
19	6	0.6816293
19	7	0.4860793
19	8	-0.1667207
19	9	-0.0854207
19	10	-0.1349607
19	11	0.8636493
19	12	0.0165693
19	13	-0.5998207
19	14	-0.1208607
19	15	-0.0571507
20	1	-0.2986933
20	2	0.2222367
20	3	-0.0971133
20	4	-0.1251733
20	5	-0.1307033
20	6	-0.4125933
20	7	0.0685367
20	8	0.6362367
20	9	0.8084467
20	10	0.0571467
20	11	0.1911267
20	12	-0.3363033
20	13	0.4134967
20	14	-0.2917333
20	15	-0.7049133