



```
name: <unnamed>
log: D:\Desktop\BRM3\TUEBRM2\Stata13\DataAnalyse.smcl
log type: smcl
opened on: 19 Oct 2014, 15:08:53
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```
1 . do "C:\Users\ADMINI~1\AppData\Local\Temp\STD04000000.tmp"
2 . use "D:\Desktop\DataAnalyse.dta", clear
3 .
4 . drop vr_14 vr_29 vr_19
5 .
6 . gen flipvar = 6-vr_9
(1 missing value generated)
7 . drop vr_9
8 . ren flipvar vr_9
9 .
10. gen flipvar = 6-vr_17
(1 missing value generated)
11. drop vr_17
12. ren flipvar vr_17
13.
14. gen flipvar = 6-vr_22
(3 missing values generated)
15. drop vr_22
16. ren flipvar vr_22
17.
18. gen flipvar = 6-vr_23
(3 missing values generated)
19. drop vr_23
20. ren flipvar vr_23
21.
22. gen flipvar = 6-vr_24
(3 missing values generated)
23. drop vr_24
24. ren flipvar vr_24
25.
26. gen flipvar = 6-vr_26
(3 missing values generated)
27. drop vr_26
28. ren flipvar vr_26
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29.
30. gen flipvar = 6-vr_28
   (3 missing values generated)

31. drop vr_28

32. ren flipvar vr_28

33.
34. gen flipvar = 6-vr_32
   (4 missing values generated)

35. drop vr_32

36. ren flipvar vr_32

37.
38. gen flipvar = 6-vr_35
   (2 missing values generated)

39. drop vr_35

40. ren flipvar vr_35

41.
42. gen flipvar = 6-vr_36
   (2 missing values generated)

43. drop vr_36

44. ren flipvar vr_36

45.
46. gen flipvar = 6-vr_37
   (3 missing values generated)

47. drop vr_37

48. ren flipvar vr_37

49.
50. // Test op normale verdeling voor groep 0.0
51. swilk taak_* if code2==1 & code==0

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Shapiro-Wilk W test for normal data

Variable	Obs	W	V	z	Prob>z
taak_1	14	0.90445	1.768	1.122	0.13086
taak_2	14	0.77089	4.240	2.844	0.00223
taak_3	14	0.84198	2.925	2.113	0.01731
taak_4	14	0.91812	1.515	0.818	0.20661
taak_5	14	0.74505	4.718	3.054	0.00113
taak_6	14	0.91812	1.515	0.818	0.20661
taak_7	14	0.97021	0.551	-1.172	0.87944
taak_8	14	0.82391	3.259	2.326	0.01002
taak_9	13	0.85302	2.589	1.863	0.03121
taak_10	14	0.94391	1.038	0.074	0.47064
taak_11	14	0.96652	0.620	-0.942	0.82702
taak_12	13	0.97805	0.387	-1.862	0.96867
taak_13	14	0.99684	0.058	-5.590	1.00000
taak_14	14	0.98747	0.232	-2.877	0.99799
taak_15	14	0.98519	0.274	-2.549	0.99459
taak_16	14	0.81204	3.479	2.454	0.00706
taak_17	14	0.75325	4.567	2.990	0.00139
taak_18	14	0.91919	1.496	0.792	0.21407
taak_19	14	0.97358	0.489	-1.409	0.92052
taak_20	14	0.91606	1.553	0.867	0.19291
taak_21	14	0.87641	2.287	1.629	0.05168
taak_22	13	0.89973	1.766	1.114	0.13259
taak_23	14	0.95028	0.920	-0.164	0.56508
taak_24	14	0.72665	5.059	3.192	0.00071

taak_25	14	0.72665	5.059	3.192	0.00071
taak_26	14	0.95275	0.874	-0.264	0.60415
taak_27	14	0.98116	0.349	-2.074	0.98097

52. // Test op normale verdeling voor groep 0.1
 53. swilk taak_* if code2==1 & code==1

Shapiro-Wilk W test for normal data

Variable	Obs	W	V	z	Prob>z
taak_1	14	0.82040	3.324	2.365	0.00902
taak_2	14	0.69320	5.678	3.419	0.00031
taak_3	14	0.74758	4.672	3.035	0.00120
taak_4	14	0.89115	2.015	1.379	0.08397
taak_5	14	0.93059	1.285	0.493	0.31102
taak_6	14	0.95067	0.913	-0.179	0.57113
taak_7	14	0.80464	3.615	2.530	0.00570
taak_8	14	0.64493	6.571	3.707	0.00011
taak_9	14	0.99768	0.043	-6.198	1.00000
taak_10	14	0.91719	1.532	0.840	0.20034
taak_11	14	0.96361	0.673	-0.778	0.78183
taak_12	14	0.93278	1.244	0.430	0.33359
taak_13	14	0.74621	4.697	3.045	0.00116
taak_14	14	0.99768	0.043	-6.198	1.00000
taak_15	14	0.98519	0.274	-2.549	0.99459
taak_16	14	0.93152	1.267	0.466	0.32047
taak_17	14	0.99768	0.043	-6.198	1.00000
taak_18	14	0.89604	1.924	1.288	0.09881
taak_19	14	0.91812	1.515	0.818	0.20661
taak_20	14	0.99768	0.043	-6.198	1.00000
taak_21	13	0.99481	0.091	-4.686	1.00000
taak_22	14	0.98747	0.232	-2.877	0.99799
taak_23	14	0.99768	0.043	-6.198	1.00000
taak_24	14	0.99768	0.043	-6.198	1.00000
taak_25	13	0.91253	1.541	0.847	0.19859
taak_26	14	0.97557	0.452	-1.563	0.94095
taak_27	14	0.99481	0.096	-4.612	1.00000

54. // Test op normale verdeling voor groep 1.0
 55. swilk vr_* if code2==1 & code==0

Shapiro-Wilk W test for normal data

Variable	Obs	W	V	z	Prob>z
vr_1	14	0.99581	0.078	-5.034	1.00000
vr_2	14	0.98690	0.242	-2.790	0.99737
vr_3	14	0.86432	2.511	1.813	0.03495
vr_4	13	0.92772	1.273	0.473	0.31813
vr_5	13	0.90279	1.712	1.054	0.14604
vr_6	14	0.96756	0.600	-1.004	0.84239
vr_7	14	0.91129	1.642	0.976	0.16456
vr_8	13	0.90054	1.752	1.098	0.13605
vr_10	14	0.81144	3.490	2.460	0.00694
vr_11	14	0.96306	0.684	-0.749	0.77304
vr_12	14	0.81144	3.490	2.460	0.00694
vr_13	14	0.89084	2.020	1.384	0.08313
vr_15	14	0.71430	5.287	3.279	0.00052
vr_16	14	0.80464	3.615	2.530	0.00570
vr_18	14	0.88813	2.070	1.433	0.07599
vr_20	14	0.98747	0.232	-2.877	0.99799
vr_21	14	0.94391	1.038	0.074	0.47064
vr_25	13	0.99396	0.106	-4.391	0.99999
vr_27	14	0.83497	3.054	2.198	0.01397
vr_30	14	0.96361	0.673	-0.778	0.78183
vr_31	12	0.83906	2.689	1.927	0.02697
vr_33	14	0.91741	1.528	0.835	0.20178
vr_34	14	0.82859	3.172	2.273	0.01152
vr_38	14	0.58009	7.771	4.037	0.00003
vr_9	14	0.97433	0.475	-1.465	0.92855
vr_17	14	0.96312	0.682	-0.752	0.77402

vr_22	14	0.99443	0.103	-4.475	1.00000
vr_23	14	0.81144	3.490	2.460	0.00694
vr_24	14	0.99934	0.012	-8.682	1.00000
vr_26	14	0.90774	1.707	1.053	0.14611
vr_28	14	0.95309	0.868	-0.279	0.60969
vr_32	13	0.99758	0.043	-6.178	1.00000
vr_35	14	0.98690	0.242	-2.790	0.99737
vr_36	14	0.79815	3.736	2.595	0.00474
vr_37	14	0.90455	1.767	1.120	0.13130

56. // Test op normale verdeling voor groep 1.1
 57. swilk vr_* if code2==1 & code==1

Shapiro-Wilk W test for normal data

Variable	Obs	W	V	z	Prob>z
vr_1	14	0.96328	0.680	-0.760	0.77649
vr_2	14	0.94802	0.962	-0.076	0.53047
vr_3	14	0.82673	3.207	2.294	0.01090
vr_4	14	0.85307	2.719	1.969	0.02445
vr_5	14	0.71430	5.287	3.279	0.00052
vr_6	14	0.99934	0.012	-8.682	1.00000
vr_7	14	0.95936	0.752	-0.561	0.71256
vr_8	14	0.87641	2.287	1.629	0.05168
vr_10	14	0.68477	5.834	3.472	0.00026
vr_11	14	0.96529	0.642	-0.871	0.80820
vr_12	14	0.86745	2.453	1.767	0.03865
vr_13	14	0.73220	4.956	3.151	0.00081
vr_15	14	0.71430	5.287	3.279	0.00052
vr_16	14	0.99934	0.012	-8.682	1.00000
vr_18	14	0.84304	2.905	2.099	0.01789
vr_20	14	0.91741	1.528	0.835	0.20178
vr_21	14	0.86432	2.511	1.813	0.03495
vr_25	14	0.68477	5.834	3.472	0.00026
vr_27	14	0.87406	2.331	1.666	0.04787
vr_30	14	0.91606	1.553	0.867	0.19291
vr_31	14	0.74729	4.677	3.037	0.00119
vr_33	14	0.55961	8.150	4.130	0.00002
vr_34	14	0.65295	6.423	3.662	0.00013
vr_38	14	0.79815	3.736	2.595	0.00474
vr_9	14	0.99648	0.065	-5.374	1.00000
vr_17	14	0.88472	2.133	1.492	0.06787
vr_22	14	0.92210	1.442	0.720	0.23568
vr_23	14	0.68477	5.834	3.472	0.00026
vr_24	14	0.95936	0.752	-0.561	0.71256
vr_26	14	0.97152	0.527	-1.261	0.89630
vr_28	14	0.81144	3.490	2.460	0.00694
vr_32	14	0.99336	0.123	-4.128	0.99998
vr_35	14	0.90125	1.828	1.187	0.11760
vr_36	14	0.99934	0.012	-8.682	1.00000
vr_37	14	0.90879	1.688	1.031	0.15135

58.
 59.
 60. //Cronbach's alpha voor taken in 1.0
 61. alpha taak_* if code2==1 & code==0, item gen(taak10) asis

Test scale = mean(unstandardized items)

Item	Obs	Sign	item-test correlation	item-rest correlation	average interitem covariance	alpha
taak_1	14	+	0.2920	0.2067	.2598805	0.9241
taak_2	14	+	0.7039	0.6688	.2457478	0.9143
taak_3	14	+	0.6993	0.6611	.2445159	0.9143
taak_4	14	+	0.6334	0.5845	.2450617	0.9155
taak_5	14	+	0.7407	0.7132	.2473149	0.9140
taak_6	14	+	0.6242	0.5743	.245616	0.9158
taak_7	14	+	0.5142	0.4563	.2507958	0.9178
taak_8	14	+	0.6900	0.6602	.2500423	0.9148

taak_9	13	+	0.6719	0.6356	.2470369	0.9147
taak_10	14	+	0.6124	0.5796	.2538169	0.9161
taak_11	14	+	0.5532	0.4978	.2490024	0.9171
taak_12	13	+	0.5232	0.4219	.2553181	0.9219
taak_13	14	+	0.6368	0.5907	.2460758	0.9154
taak_14	14	+	0.6011	0.5767	.2583692	0.9169
taak_15	14	+	0.3530	0.3202	.2639515	0.9192
taak_16	14	+	0.6968	0.6465	.238044	0.9145
taak_17	14	+	0.8355	0.8082	.2335862	0.9110
taak_18	14	+	0.6267	0.5803	.2471287	0.9157
taak_19	14	+	0.4633	0.4007	.2527425	0.9189
taak_20	14	+	0.5246	0.4922	.2584251	0.9175
taak_21	14	+	0.5795	0.5566	.2599134	0.9173
taak_22	13	+	0.3765	0.3373	.2605689	0.9187
taak_23	14	+	0.2680	0.2340	.2659226	0.9199
taak_24	14	+	0.8846	0.8707	.2414232	0.9115
taak_25	14	+	0.8846	0.8707	.2414232	0.9115
taak_26	14	+	0.5844	0.5283	.2463151	0.9167
taak_27	14	+	0.2014	0.1583	.266941	0.9209
Test scale					.2509273	0.9194

62. //Cronbach's alpha voor taken in 1.1

63. alpha taak_* if code2==1 & code==1, item gen(taak11) asis

Test scale = mean(unstandardized items)

Item	Obs	Sign	item-test correlation	item-rest correlation	average interitem covariance	alpha
taak_1	14	+	0.5932	0.5306	.1521044	0.8972
taak_2	14	+	0.6276	0.5786	.1534292	0.8961
taak_3	14	+	0.4652	0.4085	.1589662	0.8995
taak_4	14	+	0.5730	0.5198	.1552183	0.8973
taak_5	14	+	0.7204	0.6868	.1530973	0.8944
taak_6	14	+	0.6150	0.5859	.1597255	0.8975
taak_7	14	+	-0.0920	-0.1668	.1746728	0.9115
taak_8	14	+	0.4951	0.4343	.1572041	0.8992
taak_9	14	+	0.8317	0.8164	.1554391	0.8943
taak_10	14	+	0.4471	0.3927	.1599391	0.8998
taak_11	14	+	0.4748	0.4158	.1584762	0.8995
taak_12	14	+	0.4715	0.4016	.1568081	0.9002
taak_13	14	+	0.2483	0.1757	.1646257	0.9046
taak_14	14	+	0.6597	0.6321	.1585517	0.8968
taak_15	14	+	0.3835	0.3431	.1636314	0.9006
taak_16	14	+	0.6917	0.6325	.1462198	0.8948
taak_17	14	+	0.6597	0.6321	.1585517	0.8968
taak_18	14	+	0.5606	0.4949	.153338	0.8982
taak_19	14	+	0.8262	0.7918	.142385	0.8902
taak_20	14	+	0.8317	0.8164	.1554391	0.8943
taak_21	13	+	0.7889	0.7709	.1559555	0.8949
taak_22	14	+	0.7929	0.7747	.1562739	0.8949
taak_23	14	+	0.4216	0.3821	.1628594	0.9000
taak_24	14	+	0.6862	0.6603	.1580716	0.8964
taak_25	13	+	0.6848	0.6534	.1557529	0.8956
taak_26	14	+	0.6891	0.6184	.1432269	0.8960
taak_27	14	+	0.0639	-0.0110	.1699819	0.9081
Test scale					.1570345	0.9016

64. //Cronbach's alpha voor angst in 1.0
 65. alpha vr_* if code2==1 & code==0, item gen(angst10) asis

Test scale = mean(unstandardized items)

Item	Obs	Sign	item-test correlation	item-rest correlation	average interitem covariance	alpha
vr_1	14	+	0.2845	0.1772	.0664152	0.8003
vr_2	14	+	0.2977	0.2001	.0664422	0.7989
vr_3	14	+	0.4302	0.3767	.0658493	0.7919
vr_4	13	+	0.3696	0.2857	.0654978	0.7947
vr_5	13	+	0.4786	0.3974	.0637637	0.7905
vr_6	14	+	0.8267	0.8018	.0606466	0.7771
vr_7	14	+	0.6121	0.5683	.06366	0.7859
vr_8	13	+	0.6845	0.6427	.0622066	0.7827
vr_10	14	+	-0.0575	-0.1081	.0709418	0.8041
vr_11	14	+	0.5302	0.4495	.0621021	0.7863
vr_12	14	+	0.3455	0.3022	.06749	0.7952
vr_13	14	+	0.5509	0.4655	.0615097	0.7859
vr_15	14	+	0.7167	0.6925	.0643718	0.7865
vr_16	14	+	0.7311	0.6861	.0600641	0.7777
vr_18	14	+	0.5645	0.5160	.0641273	0.7874
vr_20	14	+	-0.0118	-0.0642	.0705008	0.8033
vr_21	14	+	0.6384	0.5932	.0625554	0.7834
vr_25	13	+	0.5472	0.4991	.0644265	0.7883
vr_27	14	+	0.4943	0.4244	.0640054	0.7893
vr_30	14	+	0.4005	0.3272	.065674	0.7937
vr_31	12	+	0.6833	0.6444	.0630175	0.7846
vr_33	14	+	0.0749	-0.0139	.0700626	0.8058
vr_34	14	+	0.5751	0.4907	.0609273	0.7846
vr_38	14	+	0.2684	0.2079	.0677881	0.7972
vr_9	14	+	0.6994	0.6361	.0581434	0.7755
vr_17	14	+	-0.0767	-0.1469	.0717633	0.8082
vr_22	14	+	0.0782	-0.0341	.0703371	0.8101
vr_23	14	+	0.4019	0.3597	.0669814	0.7938
vr_24	14	+	-0.6862	-0.7062	.0751801	0.8136
vr_26	14	+	-0.2510	-0.3387	.0757597	0.8202
vr_28	14	+	0.4027	0.3289	.0653929	0.7932
vr_32	13	+	-0.1750	-0.2542	.0735048	0.8138
vr_35	14	+	0.5989	0.5252	.0605431	0.7818
vr_36	14	+	-0.0599	-0.1130	.0710947	0.8050
vr_37	14	+	0.3168	0.2165	.0664088	0.7992
Test scale					.0659751	0.7992

66. //Cronbach's alpha voor angst in 1.1
 67. alpha vr_* if code2==1 & code==1, item gen(angst11) asis

Test scale = mean(unstandardized items)

Item	Obs	Sign	item-test correlation	item-rest correlation	average interitem covariance	alpha
vr_1	14	+	0.4547	0.2846	.0079137	0.3776
vr_2	14	+	0.5310	0.3854	.0072966	0.3563
vr_3	14	+	0.3817	0.2675	.0088245	0.3950
vr_4	14	+	0.6257	0.5401	.0072966	0.3499
vr_5	14	+	0.7867	0.7486	.0073064	0.3471
vr_6	14	+	0.6293	0.5814	.008374	0.3781
vr_7	14	+	0.2570	0.1914	.0097843	0.4157
vr_8	14	+	0.1814	0.0941	.0100194	0.4230
vr_10	14	+	-0.0571	-0.1249	.0108617	0.4418
vr_11	14	+	0.4463	0.2635	.0079626	0.3811
vr_12	14	+	-0.0931	-0.1913	.0114102	0.4567
vr_13	14	+	-0.1335	-0.2641	.0123014	0.4799
vr_15	14	+	0.6949	0.6440	.0077178	0.3598
vr_16	14	+	0.7404	0.7040	.0079626	0.3661
vr_18	14	+	0.0036	-0.1051	.0110086	0.4484

vr_20	14	+	-0.3893	-0.5114	.0147891	0.5302
vr_21	14	+	-0.1222	-0.2328	.0118019	0.4667
vr_25	14	+	0.5027	0.4488	.008942	0.3936
vr_27	14	+	0.5322	0.3388	.0069636	0.3542
vr_30	14	+	0.2647	0.1530	.0095689	0.4139
vr_31	14	+	0.2777	0.2012	.0096374	0.4127
vr_33	14	+	0.0111	-0.1284	.0113416	0.4595
vr_34	14	+	0.0388	-0.0116	.0104601	0.4314
vr_38	14	+	0.1475	0.0470	.0101957	0.4283
vr_9	14	+	0.2470	0.0715	.0098137	0.4283
vr_17	14	+	-0.1866	-0.3160	.0127324	0.4891
vr_22	14	+	0.2720	0.0938	.009608	0.4236
vr_23	14	+	0.7026	0.6653	.0082564	0.3744
vr_24	14	+	-0.5427	-0.5884	.0125267	0.4781
vr_26	14	+	0.1135	-0.0593	.01094	0.4549
vr_28	14	+	0.5594	0.4931	.008325	0.3777
vr_32	14	+	-0.0050	-0.1594	.0116942	0.4694
vr_35	14	+	0.0971	-0.0401	.010705	0.4444
vr_36	14	+	0.1481	0.0747	.0101565	0.4253
vr_37	14	+	0.2568	0.0840	.0097158	0.4254
Test scale					.0098347	0.4293

68. //Cronbach's alpha voor ranksum test. Hierin zit zowel voor en na interactie in.
 69. alpha taak_* if code2==1, item gen(taak1) asis

Test scale = mean(unstandardized items)

Item	Obs	Sign	item-test correlation	item-rest correlation	average interitem covariance	alpha
taak_1	28	+	0.4215	0.3434	.2022662	0.9135
taak_2	28	+	0.6682	0.6276	.1968221	0.9071
taak_3	28	+	0.5960	0.5490	.1993224	0.9085
taak_4	28	+	0.6133	0.5634	.1971491	0.9082
taak_5	28	+	0.7289	0.6991	.1974223	0.9063
taak_6	28	+	0.6157	0.5711	.198921	0.9081
taak_7	28	+	0.2972	0.2258	.2088052	0.9148
taak_8	28	+	0.5826	0.5389	.2009104	0.9087
taak_9	27	+	0.7270	0.6981	.1977482	0.9064
taak_10	28	+	0.5391	0.4976	.2036931	0.9095
taak_11	28	+	0.5378	0.4810	.1999746	0.9098
taak_12	27	+	0.4804	0.3933	.2036281	0.9136
taak_13	28	+	0.4831	0.4243	.2024354	0.9109
taak_14	28	+	0.6037	0.5769	.2057874	0.9092
taak_15	28	+	0.3600	0.3244	.2107343	0.9119
taak_16	28	+	0.6623	0.6045	.190741	0.9076
taak_17	28	+	0.7705	0.7389	.1925553	0.9049
taak_18	28	+	0.5999	0.5461	.1970913	0.9086
taak_19	28	+	0.6287	0.5715	.1935741	0.9081
taak_20	28	+	0.6569	0.6301	.203512	0.9083
taak_21	27	+	0.6272	0.6028	.2053857	0.9090
taak_22	27	+	0.5505	0.5176	.2052277	0.9095
taak_23	28	+	0.3061	0.2686	.2117291	0.9124
taak_24	28	+	0.8182	0.7989	.1966074	0.9052
taak_25	27	+	0.8082	0.7869	.1958988	0.9052
taak_26	28	+	0.6198	0.5557	.1921937	0.9088
taak_27	28	+	0.1388	0.0817	.2148862	0.9156
Test scale					.2009271	0.9124

70. alpha vr_* if code2==1, item gen(angst1) asis

Test scale = mean(unstandardized items)

Item	Obs	Sign	item-test correlation	item-rest correlation	average interitem covariance	alpha
vr_1	28	+	0.3328	0.2150	.0416804	0.7417
vr_2	28	+	0.3775	0.2716	.0412234	0.7378
vr_3	28	+	0.4028	0.3359	.04186	0.7350
vr_4	27	+	0.4463	0.3641	.0410681	0.7333
vr_5	27	+	0.5745	0.5085	.0397289	0.7258
vr_6	28	+	0.7692	0.7392	.0391774	0.7196
vr_7	28	+	0.6004	0.5531	.0404842	0.7270
vr_8	27	+	0.4850	0.4280	.0413055	0.7318
vr_10	28	+	-0.0219	-0.0736	.045451	0.7496
vr_11	28	+	0.4422	0.3350	.0400433	0.7328
vr_12	28	+	0.1837	0.1252	.0440932	0.7442
vr_13	28	+	0.4051	0.3047	.0410316	0.7358
vr_15	28	+	0.6350	0.5999	.0410074	0.7286
vr_16	28	+	0.7612	0.7225	.0380511	0.7154
vr_18	28	+	0.4350	0.3698	.041623	0.7338
vr_20	28	+	-0.2058	-0.2836	.0479309	0.7636
vr_21	28	+	0.3402	0.2687	.0423088	0.7375
vr_25	27	+	0.5189	0.4722	.0414817	0.7316
vr_27	28	+	0.5055	0.4004	.039127	0.7289
vr_30	28	+	0.3514	0.2732	.0423463	0.7385
vr_31	26	+	0.5848	0.5359	.0410574	0.7300
vr_33	28	+	0.1135	0.0162	.0447282	0.7513
vr_34	28	+	0.5426	0.4658	.0396966	0.7267
vr_38	28	+	0.2530	0.1865	.0434772	0.7421
vr_9	28	+	0.5312	0.4363	.0386866	0.7251
vr_17	28	+	-0.0668	-0.1514	.0465759	0.7582
vr_22	28	+	0.1410	0.0188	.0445272	0.7545
vr_23	28	+	0.4810	0.4406	.0423018	0.7347
vr_24	28	+	-0.6353	-0.6612	.0488371	0.7637
vr_26	28	+	-0.1108	-0.2175	.0479448	0.7671
vr_28	28	+	0.4901	0.4235	.0409136	0.7310
vr_32	27	+	-0.1155	-0.2123	.0474717	0.7635
vr_35	28	+	0.4895	0.4011	.039754	0.7284
vr_36	28	+	0.0541	-0.0018	.0450007	0.7480
vr_37	28	+	0.3080	0.1960	.0424093	0.7438
Test scale					.0424114	0.7450

71.

72. //Test op normale verdeling in taak10 en taak11

73. swilk taak10 taak11

Shapiro-Wilk W test for normal data

Variable	Obs	W	V	z	Prob>z
taak10	14	0.90399	1.777	1.132	0.12886
taak11	14	0.96850	0.583	-1.062	0.85596

74. //Test op normale verdeling in angst10 en angst11

75. swilk angst10 angst11

Shapiro-Wilk W test for normal data

Variable	Obs	W	V	z	Prob>z
angst10	14	0.86602	2.480	1.788	0.03691
angst11	14	0.75600	4.516	2.968	0.00150

76. //Test op gelijke variantie onder de taken
 77. sctest taak10==taak11

Variance ratio test

Variable	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]	
taak10	14	3.959503	.1401664	.5244546	3.656692	4.262314
taak11	14	4.094526	.1109181	.4150174	3.854902	4.33415
combined	28	4.027015	.0886585	.4691369	3.845102	4.208927

ratio = sd(taak10) / sd(taak11) f = 1.5969
 Ho: ratio = 1 degrees of freedom = 13, 13

Ha: ratio < 1 Ha: ratio != 1 Ha: ratio > 1
 Pr(F < f) = 0.7951 2*Pr(F > f) = 0.4099 Pr(F > f) = 0.2049

78. //Test op gelijke variantie onder de angstvragen
 79. sctest angst10==angst11

Variance ratio test

Variable	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]	
angst10	14	3.084079	.0754327	.2822434	2.921116	3.247041
angst11	14	3.24898	.0404536	.1513637	3.161585	3.336374
combined	28	3.166529	.0448953	.2375638	3.074412	3.258647

ratio = sd(angst10) / sd(angst11) f = 3.4770
 Ho: ratio = 1 degrees of freedom = 13, 13

Ha: ratio < 1 Ha: ratio != 1 Ha: ratio > 1
 Pr(F < f) = 0.9838 2*Pr(F > f) = 0.0324 Pr(F > f) = 0.0162

80.
 81. //ttest op taak10 en taak11, ook voor de vragen
 82. ttest taak1, by(code)

Two-sample t test with equal variances

Group	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]	
0	14	3.959503	.1401664	.5244546	3.656692	4.262314
1	14	4.094526	.1109181	.4150174	3.854902	4.33415
combined	28	4.027015	.0886585	.4691369	3.845102	4.208927
diff		-.1350225	.178744		-.5024361	.2323912

diff = mean(0) - mean(1) t = -0.7554
 Ho: diff = 0 degrees of freedom = 26

Ha: diff < 0 Ha: diff != 0 Ha: diff > 0
 Pr(T < t) = 0.2284 Pr(|T| > |t|) = 0.4568 Pr(T > t) = 0.7716

83. ranksum angst1, by(code)

Two-sample Wilcoxon rank-sum (Mann-Whitney) test

code	obs	rank sum	expected
0	14	160.5	203
1	14	245.5	203
combined	28	406	406

unadjusted variance **473.67**
 adjustment for ties **-3.76**

adjusted variance **469.91**

Ho: angst1(code==0) = angst1(code==1)
 z = **-1.961**
 Prob > |z| = **0.0499**

```
84.
85. *****
86.
87. // Test op normale verdeling voor groep 0.0
88. swilk taak_* if code2==0 & code==0
```

Shapiro-Wilk W test for normal data

Variable	Obs	W	V	z	Prob>z
taak_1	14	0.91010	1.664	1.002	0.15812
taak_2	14	0.74505	4.718	3.054	0.00113
taak_3	14	0.82188	3.296	2.348	0.00943
taak_4	14	0.91919	1.496	0.792	0.21407
taak_5	14	0.75061	4.615	3.011	0.00130
taak_6	14	0.74505	4.718	3.054	0.00113
taak_7	13	0.87458	2.209	1.553	0.06025
taak_8	14	0.69040	5.730	3.437	0.00029
taak_9	14	0.75061	4.615	3.011	0.00130
taak_10	14	0.85066	2.764	2.001	0.02268
taak_11	14	0.94410	1.035	0.067	0.47338
taak_12	13	0.78154	3.848	2.640	0.00415
taak_13	14	0.98036	0.364	-1.992	0.97681
taak_14	14	0.95028	0.920	-0.164	0.56508
taak_15	14	0.98747	0.232	-2.877	0.99799
taak_16	14	0.92261	1.432	0.707	0.23974
taak_17	14	0.60115	7.381	3.935	0.00004
taak_18	14	0.92773	1.338	0.573	0.28348
taak_19	13	0.68854	5.486	3.335	0.00043
taak_20	14	0.64493	6.571	3.707	0.00011
taak_21	14	0.77059	4.246	2.847	0.00221
taak_22	13	0.89973	1.766	1.114	0.13259
taak_23	14	0.98747	0.232	-2.877	0.99799
taak_24	14	0.50640	9.135	4.355	0.00001
taak_25	14	0.55012	8.326	4.172	0.00002
taak_26	14	0.98567	0.265	-2.613	0.99551
taak_27	14	0.78120	4.049	2.753	0.00295

```
89. // Test op normale verdeling voor groep 0.1
90. swilk taak_* if code2==0 & code==1
```

Shapiro-Wilk W test for normal data

Variable	Obs	W	V	z	Prob>z
taak_1	14	0.98519	0.274	-2.549	0.99459
taak_2	13	0.99361	0.112	-4.280	0.99999
taak_3	14	0.75061	4.615	3.011	0.00130
taak_4	14	0.91129	1.642	0.976	0.16456
taak_5	13	0.88222	2.075	1.430	0.07642
taak_6	14	0.86135	2.566	1.855	0.03179
taak_7	13	0.87426	2.215	1.558	0.05966
taak_8	14	0.78026	4.067	2.762	0.00287
taak_9	13	0.56792	7.610	3.976	0.00004
taak_10	14	0.91531	1.567	0.885	0.18816
taak_11	14	0.97372	0.486	-1.419	0.92207
taak_12	14	0.79451	3.803	2.630	0.00427
taak_13	14	0.98997	0.186	-3.316	0.99954
taak_14	14	0.91606	1.553	0.867	0.19291
taak_15	14	0.98747	0.232	-2.877	0.99799
taak_16	14	0.92261	1.432	0.707	0.23974
taak_17	14	0.64483	6.573	3.707	0.00010
taak_18	14	0.98975	0.190	-3.273	0.99947

taak_19	14	0.89769	1.893	1.257	0.10442
taak_20	14	0.78026	4.067	2.762	0.00287
taak_21	14	0.84525	2.864	2.071	0.01916
taak_22	14	0.82391	3.259	2.326	0.01002
taak_23	14	0.98747	0.232	-2.877	0.99799
taak_24	14	0.98519	0.274	-2.549	0.99459
taak_25	14	0.88901	2.054	1.417	0.07823
taak_26	14	0.95086	0.909	-0.187	0.57411
taak_27	14	0.96407	0.665	-0.803	0.78911

```
91. // Test op normale verdeling voor groep 1.0
92. swilk vr_* if code2==0 & code==0
```

Shapiro-Wilk W test for normal data

Variable	Obs	W	V	z	Prob>z
vr_1	14	0.96288	0.687	-0.739	0.77005
vr_2	14	0.95123	0.903	-0.202	0.57996
vr_3	14	0.92692	1.353	0.595	0.27608
vr_4	14	0.97480	0.466	-1.502	0.93344
vr_5	14	0.99475	0.097	-4.588	1.00000
vr_6	14	0.82673	3.207	2.294	0.01090
vr_7	13	0.94594	0.952	-0.096	0.53818
vr_8	14	0.79832	3.732	2.593	0.00476
vr_10	14	0.89115	2.015	1.379	0.08397
vr_11	14	0.96412	0.664	-0.806	0.78996
vr_12	14	0.99768	0.043	-6.198	1.00000
vr_13	14	0.90627	1.735	1.084	0.13909
vr_15	14	0.93720	1.162	0.296	0.38359
vr_16	14	0.93785	1.150	0.275	0.39153
vr_18	14	0.97134	0.530	-1.248	0.89402
vr_20	13	0.90408	1.690	1.027	0.15211
vr_21	12	0.88787	1.873	1.223	0.11062
vr_25	12	0.72901	4.528	2.943	0.00163
vr_27	12	0.95322	0.782	-0.480	0.68443
vr_30	12	0.89673	1.726	1.063	0.14391
vr_31	13	0.91371	1.520	0.820	0.20612
vr_33	13	0.84644	2.705	1.949	0.02563
vr_34	13	0.93951	1.065	0.124	0.45055
vr_38	13	0.68479	5.552	3.358	0.00039
vr_9	14	0.86745	2.453	1.767	0.03865
vr_17	14	0.94811	0.960	-0.080	0.53181
vr_22	12	0.93837	1.030	0.057	0.47724
vr_23	12	0.89898	1.688	1.020	0.15390
vr_24	12	0.82800	2.874	2.057	0.01985
vr_26	12	0.90891	1.522	0.818	0.20658
vr_28	12	0.97061	0.491	-1.386	0.91710
vr_32	13	0.97113	0.508	-1.325	0.90744
vr_35	13	0.94155	1.029	0.057	0.47733
vr_36	13	0.99429	0.100	-4.501	1.00000
vr_37	13	0.94566	0.957	-0.086	0.53422

```
93. // Test op normale verdeling voor groep 1.1
94. swilk vr_* if code2==0 & code==1
```

Shapiro-Wilk W test for normal data

Variable	Obs	W	V	z	Prob>z
vr_1	13	0.90162	1.733	1.077	0.14074
vr_2	13	0.97968	0.358	-2.013	0.97795
vr_3	13	0.67529	5.719	3.416	0.00032
vr_4	13	0.98902	0.193	-3.219	0.99936
vr_5	14	0.86745	2.453	1.767	0.03865
vr_6	14	0.99934	0.012	-8.682	1.00000
vr_7	14	0.74729	4.677	3.037	0.00119
vr_8	14	0.69040	5.730	3.437	0.00029
vr_10	14	0.91719	1.532	0.840	0.20034
vr_11	14	0.94644	0.991	-0.017	0.50688
vr_12	14	0.86250	2.545	1.839	0.03297
vr_13	14	0.93785	1.150	0.275	0.39153

vr_15	14	0.99786	0.040	-6.353	1.00000
vr_16	14	0.68477	5.834	3.472	0.00026
vr_18	14	0.98557	0.267	-2.599	0.99533
vr_20	14	0.96681	0.614	-0.959	0.83133
vr_21	14	0.91411	1.590	0.912	0.18077
vr_25	14	0.69244	5.692	3.424	0.00031
vr_27	14	0.82785	3.186	2.281	0.01127
vr_30	14	0.77089	4.240	2.844	0.00223
vr_31	14	0.88902	2.054	1.417	0.07824
vr_33	14	0.69040	5.730	3.437	0.00029
vr_34	14	0.94939	0.937	-0.129	0.55125
vr_38	14	0.99934	0.012	-8.682	1.00000
vr_9	14	0.99581	0.078	-5.034	1.00000
vr_17	14	0.88813	2.070	1.433	0.07599
vr_22	14	0.98446	0.288	-2.453	0.99292
vr_23	14	0.96268	0.691	-0.728	0.76681
vr_24	14	0.74729	4.677	3.037	0.00119
vr_26	14	0.94375	1.041	0.079	0.46846
vr_28	14	0.97648	0.435	-1.637	0.94921
vr_32	13	0.98441	0.275	-2.532	0.99433
vr_35	14	0.96718	0.607	-0.982	0.83687
vr_36	14	0.96299	0.685	-0.745	0.77180
vr_37	13	0.97956	0.360	-2.002	0.97734

95.

96. //Cronbach's alpha voor taken in 0.0

97. alpha taak_* if code2==0 & code==0, item gen(taak00) asis

Test scale = mean(unstandardized items)

Item	Obs	Sign	item-test correlation	item-rest correlation	average interitem covariance	alpha
taak_1	14	+	0.0075	-0.0477	.2849957	0.8921
taak_2	14	+	0.4838	0.4399	.2677989	0.8842
taak_3	14	+	0.4641	0.4140	.2670772	0.8845
taak_4	14	+	0.5397	0.4882	.2618755	0.8828
taak_5	14	+	0.5933	0.5369	.2558614	0.8814
taak_6	14	+	0.5101	0.4676	.2668338	0.8837
taak_7	13	+	-0.0531	-0.1352	.2871461	0.8950
taak_8	14	+	0.0737	0.0307	.2827226	0.8902
taak_9	14	+	0.7917	0.7580	.2454235	0.8757
taak_10	14	+	0.8942	0.8711	.231488	0.8708
taak_11	14	+	0.5977	0.5331	.2523682	0.8815
taak_12	13	+	-0.0233	-0.1092	.2883024	0.8979
taak_13	14	+	0.7949	0.7495	.2339297	0.8743
taak_14	14	+	0.8457	0.8357	.2650504	0.8811
taak_15	14	+	0.3845	0.3541	.2753544	0.8862
taak_16	14	+	0.6733	0.6221	.2500634	0.8791
taak_17	14	+	0.7806	0.7387	.2402305	0.8753
taak_18	14	+	0.6840	0.6359	.2505171	0.8789
taak_19	13	+	0.7542	0.7140	.2454262	0.8765
taak_20	14	+	0.4785	0.4306	.2673322	0.8843
taak_21	14	+	0.4322	0.3723	.266501	0.8853
taak_22	13	+	0.1523	0.1074	.279005	0.8888
taak_23	14	+	0.1443	0.1090	.2808369	0.8888
taak_24	14	+	0.6982	0.6561	.2527715	0.8788
taak_25	14	+	0.7491	0.7131	.250592	0.8775
taak_26	14	+	0.4911	0.4057	.2569044	0.8861
taak_27	14	+	0.2181	0.1437	.2760761	0.8907
Test scale					.2623248	0.8875

98. //Cronbach's alpha voor taken in 0.1
 99. alpha taak_* if code2==0 & code==1, item gen(taak01) asis

Test scale = mean(unstandardized items)

Item	Obs	Sign	item-test correlation	item-rest correlation	average interitem covariance	alpha
taak_1	14	+	0.7761	0.7610	.2518461	0.9030
taak_2	13	+	0.7641	0.7473	.2523254	0.9035
taak_3	14	+	0.7709	0.7338	.2325922	0.8990
taak_4	14	+	0.7031	0.6794	.2504923	0.9030
taak_5	13	+	0.4548	0.3849	.2480467	0.9072
taak_6	14	+	0.8095	0.7727	.22593	0.8978
taak_7	13	+	0.2439	0.1824	.2613119	0.9097
taak_8	14	+	0.2767	0.2342	.2621837	0.9084
taak_9	13	+	0.7413	0.7017	.2385203	0.9010
taak_10	14	+	0.7552	0.7103	.2298573	0.8997
taak_11	14	+	0.6712	0.6227	.2388873	0.9020
taak_12	14	+	0.1772	0.0996	.2630752	0.9126
taak_13	14	+	0.7196	0.6640	.2294224	0.9010
taak_14	14	+	0.8609	0.8490	.2464007	0.9009
taak_15	14	+	0.3063	0.2731	.2626705	0.9079
taak_16	14	+	0.5546	0.4866	.242001	0.9047
taak_17	14	+	0.8316	0.8017	.2283135	0.8975
taak_18	14	+	0.6637	0.6069	.2359263	0.9022
taak_19	14	+	0.5222	0.4724	.2507515	0.9053
taak_20	14	+	0.5165	0.4819	.2555156	0.9054
taak_21	14	+	0.5454	0.5120	.2545997	0.9050
taak_22	14	+	0.1624	0.1100	.265512	0.9106
taak_23	14	+	0.6418	0.6198	.254918	0.9044
taak_24	14	+	0.7761	0.7610	.2518461	0.9030
taak_25	14	+	0.5265	0.5018	.2585587	0.9059
taak_26	14	+	0.1853	0.1023	.2619576	0.9128
taak_27	14	+	0.4157	0.3580	.2541532	0.9072
Test scale					.2484315	0.9078

100 //Cronbach's alpha voor angst in 0.0
 101 alpha vr_* if code2==0 & code==0, item gen(angst00) asis

Test scale = mean(unstandardized items)

Item	Obs	Sign	item-test correlation	item-rest correlation	average interitem covariance	alpha
vr_1	14	+	0.3451	0.2357	.0663484	0.7099
vr_2	14	+	0.4770	0.3768	.0632925	0.6996
vr_3	14	+	0.5342	0.4586	.0633701	0.6971
vr_4	14	+	0.7405	0.6822	.0583462	0.6803
vr_5	14	+	0.3012	0.2444	.0694322	0.7131
vr_6	14	+	0.1663	0.0823	.0714883	0.7198
vr_7	13	+	0.3545	0.2739	.0684765	0.7115
vr_8	14	+	0.4286	0.3095	.0665404	0.7078
vr_10	14	+	-0.1276	-0.2215	.0751776	0.7323
vr_11	14	+	0.2144	0.0918	.0707024	0.7238
vr_12	14	+	0.4461	0.4121	.0680565	0.7079
vr_13	14	+	-0.1075	-0.2004	.0767175	0.7385
vr_15	14	+	0.2520	0.1665	.0694896	0.7142
vr_16	14	+	0.5893	0.5211	.0646965	0.6988
vr_18	14	+	0.6802	0.5936	.0598857	0.6845
vr_20	13	+	-0.1871	-0.3056	.0811327	0.7542
vr_21	12	+	-0.0449	-0.1303	.0742835	0.7311
vr_25	12	+	0.3532	0.2863	.0680354	0.7106
vr_27	12	+	0.4175	0.2982	.06478	0.7085
vr_30	12	+	0.6685	0.5949	.0593533	0.6860
vr_31	13	+	0.3688	0.2915	.0671959	0.7086
vr_33	13	+	0.1471	0.0892	.0708197	0.7176
vr_34	13	+	0.2908	0.2177	.0692483	0.7144

vr_38	13	+	-0.3977	-0.4649	.0805551	0.7471
vr_9	14	+	0.0055	-0.0492	.0729824	0.7233
vr_17	14	+	0.5231	0.4263	.0626807	0.6951
vr_22	12	+	0.4613	0.3792	.0653881	0.7046
vr_23	12	+	0.5493	0.4736	.0634785	0.6983
vr_24	12	+	0.0024	-0.0749	.0730964	0.7266
vr_26	12	+	0.1934	0.0665	.070284	0.7252
vr_28	12	+	0.7594	0.6943	.0557995	0.6742
vr_32	13	+	-0.2863	-0.3717	.0799977	0.7474
vr_35	13	+	0.1122	0.0306	.0724198	0.7247
vr_36	13	+	0.5153	0.4290	.0639065	0.7007
vr_37	13	+	0.5488	0.4494	.061939	0.6968
Test scale					.0682673	0.7194

102 //Cronbach's alpha voor angst in 0.1
 103 alpha vr_* if code2==0 & code==1, item gen(angst01) asis

Test scale = mean(unstandardized items)

Item	Obs	Sign	item-test correlation	item-rest correlation	average interitem covariance	alpha
vr_1	13	+	0.5235	0.3919	.0393678	0.6566
vr_2	13	+	0.4774	0.3395	.040525	0.6634
vr_3	13	+	0.4913	0.4001	.0415237	0.6605
vr_4	13	+	0.4995	0.4094	.0412676	0.6590
vr_5	14	+	0.0966	0.0364	.0466683	0.6822
vr_6	14	+	-0.2006	-0.2424	.0485541	0.6901
vr_7	14	+	0.3786	0.3349	.0447441	0.6715
vr_8	14	+	0.1119	0.0393	.0463655	0.6817
vr_10	14	+	-0.2503	-0.3258	.0507586	0.7034
vr_11	14	+	0.8207	0.7542	.0317471	0.6067
vr_12	14	+	0.6379	0.5639	.0386618	0.6435
vr_13	14	+	0.2285	0.1407	.0451139	0.6770
vr_15	14	+	0.0000	-0.0628	.0475652	0.6867
vr_16	14	+	-0.0745	-0.1144	.0476439	0.6856
vr_18	14	+	0.3986	0.3042	.0425404	0.6657
vr_20	14	+	-0.1119	-0.2294	.0509996	0.7097
vr_21	14	+	-0.0247	-0.1539	.0496936	0.7053
vr_25	14	+	0.1287	0.0517	.0464274	0.6825
vr_27	14	+	0.6399	0.5374	.0366355	0.6385
vr_30	14	+	0.2487	0.1474	.0449148	0.6782
vr_31	14	+	0.4264	0.3406	.0422593	0.6629
vr_33	14	+	0.5186	0.4607	.0423112	0.6603
vr_34	14	+	0.3650	0.2802	.0433051	0.6679
vr_38	14	+	-0.1784	-0.2206	.0484094	0.6894
vr_9	14	+	0.0070	-0.1189	.0492694	0.7024
vr_17	14	+	0.1985	0.1251	.0457849	0.6789
vr_22	14	+	0.5684	0.4951	.0403894	0.6524
vr_23	14	+	0.6387	0.5814	.0400079	0.6489
vr_24	14	+	0.3991	0.3576	.0445952	0.6707
vr_26	14	+	0.2783	0.1878	.0447817	0.6762
vr_28	14	+	0.5326	0.4407	.0400096	0.6527
vr_32	13	+	-0.0920	-0.1869	.0489769	0.6959
vr_35	14	+	0.0894	0.0088	.0468089	0.6846
vr_36	14	+	0.4044	0.3052	.0424752	0.6662
vr_37	13	+	-0.0730	-0.1659	.0488007	0.6955
Test scale					.0442825	0.6806

104 //Cronbach's alpha voor ranksum test. Hierin zit zowel voor en na interactie in.
 105 alpha taak_* if code2==0, item gen(taak0) asis

Test scale = mean(unstandardized items)

Item	Obs	Sign	item-test correlation	item-rest correlation	average interitem covariance	alpha
taak_1	28	+	0.2892	0.2426	.2580576	0.8961
taak_2	27	+	0.5762	0.5420	.2496651	0.8920
taak_3	28	+	0.6254	0.5777	.2401529	0.8898
taak_4	28	+	0.5819	0.5407	.2461837	0.8912
taak_5	27	+	0.5222	0.4582	.242159	0.8925
taak_6	28	+	0.6620	0.6145	.2369067	0.8889
taak_7	26	+	0.0820	0.0092	.2637294	0.9006
taak_8	28	+	0.1742	0.1308	.2618633	0.8975
taak_9	27	+	0.7596	0.7217	.2327896	0.8867
taak_10	28	+	0.8271	0.7925	.2216461	0.8834
taak_11	28	+	0.6301	0.5729	.236034	0.8898
taak_12	27	+	0.0698	-0.0129	.2649966	0.9035
taak_13	28	+	0.7575	0.7065	.2227065	0.8858
taak_14	28	+	0.8020	0.7867	.2459258	0.8893
taak_15	28	+	0.3458	0.3140	.2585352	0.8953
taak_16	28	+	0.6146	0.5546	.2364255	0.8900
taak_17	28	+	0.8033	0.7670	.2250813	0.8844
taak_18	28	+	0.6723	0.6197	.2338016	0.8886
taak_19	27	+	0.6483	0.6011	.2384301	0.8893
taak_20	28	+	0.4894	0.4471	.2511932	0.8931
taak_21	28	+	0.4567	0.4064	.2504255	0.8936
taak_22	27	+	0.1589	0.1101	.2616334	0.8979
taak_23	28	+	0.3903	0.3590	.2574477	0.8948
taak_24	28	+	0.6834	0.6494	.2424755	0.8892
taak_25	28	+	0.6383	0.6016	.2446678	0.8902
taak_26	28	+	0.3573	0.2698	.2493354	0.8980
taak_27	28	+	0.3060	0.2385	.2548492	0.8971
Test scale					.2454543	0.8959

106 alpha vr_* if code2==0, item gen(angst0) asis

Test scale = mean(unstandardized items)

Item	Obs	Sign	item-test correlation	item-rest correlation	average interitem covariance	alpha
vr_1	27	+	0.4088	0.2836	.0499487	0.6803
vr_2	27	+	0.4678	0.3504	.0488483	0.6747
vr_3	27	+	0.5151	0.4331	.0493108	0.6716
vr_4	27	+	0.6455	0.5727	.0469134	0.6610
vr_5	28	+	0.2130	0.1547	.0547246	0.6907
vr_6	28	+	0.0407	-0.0309	.0565519	0.6979
vr_7	27	+	0.3562	0.2883	.053277	0.6850
vr_8	28	+	0.3039	0.1951	.0532473	0.6875
vr_10	28	+	-0.1780	-0.2650	.0594659	0.7114
vr_11	28	+	0.5109	0.3876	.048037	0.6721
vr_12	28	+	0.5020	0.4326	.0502274	0.6735
vr_13	28	+	0.0261	-0.0683	.0573521	0.7047
vr_15	28	+	0.1456	0.0652	.0551549	0.6933
vr_16	28	+	0.3712	0.3009	.0529949	0.6837
vr_18	28	+	0.5094	0.4014	.0485004	0.6689
vr_20	27	+	-0.1578	-0.2759	.0623838	0.7275
vr_21	26	+	-0.0381	-0.1453	.0586669	0.7121
vr_25	26	+	0.2537	0.1813	.0539801	0.6893
vr_27	26	+	0.5204	0.4058	.0476229	0.6703
vr_30	26	+	0.4862	0.3925	.0494052	0.6738
vr_31	27	+	0.3954	0.3142	.051549	0.6802
vr_33	27	+	0.3312	0.2702	.0531986	0.6848
vr_34	27	+	0.3265	0.2479	.0530045	0.6858
vr_38	27	+	-0.3231	-0.3844	.0608997	0.7156

vr_9	28	+	0.0029	-0.0923	.0577057	0.7059
vr_17	28	+	0.3901	0.2972	.0512838	0.6793
vr_22	26	+	0.5033	0.4240	.0498683	0.6737
vr_23	26	+	0.5828	0.5131	.0486263	0.6677
vr_24	26	+	0.1310	0.0651	.0554153	0.6944
vr_26	26	+	0.2258	0.1103	.0541006	0.6953
vr_28	26	+	0.6666	0.5873	.0451608	0.6546
vr_32	26	+	-0.2125	-0.3043	.0608555	0.7182
vr_35	27	+	0.1054	0.0242	.0561968	0.6988
vr_36	27	+	0.4686	0.3759	.0500757	0.6763
vr_37	26	+	0.3469	0.2390	.0521581	0.6862
Test scale					.0530479	0.6941

107
 108 //Test op normale verdeling in taak00 en taak01
 109 swilk taak00 taak01

Shapiro-Wilk W test for normal data

Variable	Obs	W	V	z	Prob>z
taak00	14	0.91147	1.638	0.972	0.16552
taak01	14	0.95648	0.805	-0.426	0.66494

110 //Test op normale verdeling in angst00 en angst01
 111 swilk angst00 angst01

Shapiro-Wilk W test for normal data

Variable	Obs	W	V	z	Prob>z
angst00	14	0.94063	1.099	0.185	0.42646
angst01	14	0.94984	0.928	-0.147	0.55825

112 //Test op gelijke variantie onder de taken
 113 sdtest taak00==taak01

Variance ratio test

Variable	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]	
taak00	14	3.94943	.1446039	.5410583	3.637032	4.261828
taak01	14	3.95954	.1414184	.5291392	3.654024	4.265056
combined	28	3.954485	.0992447	.5251538	3.750852	4.158119

ratio = sd(taak00) / sd(taak01) f = 1.0456
 Ho: ratio = 1 degrees of freedom = 13, 13

Ha: ratio < 1 Ha: ratio != 1 Ha: ratio > 1
 Pr(F < f) = 0.5314 2*Pr(F > f) = 0.9372 Pr(F > f) = 0.4686

114 //Test op gelijke variantie onder de angstvragen
 115 sdtest angst00==angst01

Variance ratio test

Variable	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]	
angst00	14	3.151478	.0790591	.2958119	2.980681	3.322274
angst01	14	3.144205	.0671734	.2513399	2.999085	3.289324
combined	28	3.147841	.0509066	.2693727	3.043389	3.252293

ratio = sd(angst00) / sd(angst01) f = 1.3852
 Ho: ratio = 1 degrees of freedom = 13, 13

Ha: ratio < 1 Ha: ratio != 1 Ha: ratio > 1
 Pr(F < f) = 0.7174 2*Pr(F > f) = 0.5653 Pr(F > f) = 0.2826

116
 117 //ttest op taak00 en taak01, ook voor de vragen
 118 ttest taak0, by(code)

Two-sample t test with equal variances

Group	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]	
0	14	3.94943	.1446039	.5410583	3.637032	4.261828
1	14	3.95954	.1414184	.5291392	3.654024	4.265056
combined	28	3.954485	.0992447	.5251538	3.750852	4.158119
diff		-.0101099	.2022609		-.4258631	.4056433

diff = mean(0) - mean(1) t = -0.0500
 Ho: diff = 0 degrees of freedom = 26
 Ha: diff < 0 Ha: diff != 0 Ha: diff > 0
 Pr(T < t) = 0.4803 Pr(|T| > |t|) = 0.9605 Pr(T > t) = 0.5197

119 ttest angst0, by(code)

Two-sample t test with equal variances

Group	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]	
0	14	3.151478	.0790591	.2958119	2.980681	3.322274
1	14	3.144205	.0671734	.2513399	2.999085	3.289324
combined	28	3.147841	.0509066	.2693727	3.043389	3.252293
diff		.0072727	.103743		-.205974	.2205195

diff = mean(0) - mean(1) t = 0.0701
 Ho: diff = 0 degrees of freedom = 26
 Ha: diff < 0 Ha: diff != 0 Ha: diff > 0
 Pr(T < t) = 0.5277 Pr(|T| > |t|) = 0.9446 Pr(T > t) = 0.4723

120
 121 *****
 122 *****
 123 *****
 124
 125 //Tets op gelijke variantie tussen groep 1.1 en 0.1
 126 sctest angst11==angst01

Variance ratio test

Variable	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]	
angst11	14	3.24898	.0404536	.1513637	3.161585	3.336374
angst01	14	3.144205	.0671734	.2513399	2.999085	3.289324
combined	28	3.196592	.0397732	.2104598	3.114984	3.2782

ratio = sd(angst11) / sd(angst01) f = 0.3627
 Ho: ratio = 1 degrees of freedom = 13, 13
 Ha: ratio < 1 Ha: ratio != 1 Ha: ratio > 1
 Pr(F < f) = 0.0394 2*Pr(F < f) = 0.0787 Pr(F > f) = 0.9606

127 //Cronbach's alpha voor de angstvragen tussen groep 1.1 en 0.1
 128 alpha vr_* if code==1, item gen(angstX1)

Test scale = mean(unstandardized items)

Item	Obs	Sign	item-test correlation	item-rest correlation	average interitem covariance	alpha
vr_1	27	-	0.5357	0.4356	.0510623	0.7633
vr_2	27	-	0.5797	0.4873	.0497355	0.7573
vr_3	27	+	-0.0995	-0.1872	.0616439	0.7927
vr_4	27	-	0.6354	0.5794	.0517808	0.7590
vr_5	28	+	0.4356	0.3895	.0557825	0.7699
vr_6	28	+	0.3983	0.3622	.0567412	0.7722
vr_7	28	+	0.3440	0.3054	.0570062	0.7731
vr_8	28	+	0.2253	0.1703	.0566866	0.7734
vr_10	28	+	0.5463	0.5010	.0538954	0.7638
vr_11	28	-	0.4863	0.3713	.05181	0.7680
vr_12	28	+	0.1744	0.0938	.0567718	0.7763
vr_13	28	+	0.1748	0.0967	.0570551	0.7770
vr_15	28	+	0.4620	0.4167	.0556231	0.7693
vr_16	28	+	0.1354	0.0952	.0583624	0.7775
vr_18	28	+	0.2102	0.1304	.05681	0.7764
vr_20	28	-	0.1559	0.0509	.0583529	0.7848
vr_21	28	+	0.2444	0.1476	.0564604	0.7776
vr_25	28	-	0.6605	0.6256	.0536968	0.7627
vr_27	28	-	0.5217	0.4114	.0509278	0.7646
vr_30	28	-	0.6257	0.5705	.0519521	0.7589
vr_31	28	-	0.1392	0.0695	.0594356	0.7839
vr_33	28	+	0.2446	0.1753	.0563578	0.7737
vr_34	28	+	0.5543	0.5101	.0532927	0.7618
vr_38	28	+	0.3665	0.3210	.0566388	0.7725
vr_9	28	+	0.3994	0.2986	.0548569	0.7736
vr_17	28	+	0.3599	0.2906	.0560869	0.7729
vr_22	28	+	0.1709	0.0745	.0574698	0.7807
vr_23	28	-	0.4530	0.3988	.055412	0.7696
vr_24	28	-	0.4732	0.4387	.0562896	0.7707
vr_26	28	-	0.3203	0.2292	.055045	0.7718
vr_28	28	-	0.2669	0.1851	.057708	0.7802
vr_32	27	-	0.2519	0.1642	.0562392	0.7755
vr_35	28	-	0.1169	0.0374	.0591889	0.7839
vr_36	28	-	0.5372	0.4752	.0532672	0.7635
vr_37	27	-	0.1922	0.0974	.0573587	0.7801
Test scale					.0556227	0.7777

129 //
 130 alpha vr_* if code==0, item gen(angstX0)

Test scale = mean(unstandardized items)

Item	Obs	Sign	item-test correlation	item-rest correlation	average interitem covariance	alpha
vr_1	28	+	0.4619	0.3743	.0901266	0.8118
vr_2	28	+	0.6045	0.5339	.0876389	0.8064
vr_3	28	+	0.4556	0.3961	.0917294	0.8110
vr_4	27	+	0.6875	0.6292	.0865171	0.8030
vr_5	27	+	0.4063	0.3405	.0933663	0.8138
vr_6	28	+	0.3354	0.2825	.0934323	0.8123
vr_7	27	+	0.2775	0.2191	.0943083	0.8144
vr_8	27	+	0.1723	0.0854	.0954289	0.8183
vr_10	28	-	0.1326	0.0442	.0973083	0.8193
vr_11	28	+	0.3038	0.2004	.094162	0.8184
vr_12	28	+	0.3473	0.3100	.0954088	0.8151
vr_13	28	-	0.0997	0.0062	.0993317	0.8265
vr_15	28	+	0.2142	0.1653	.0956535	0.8160
vr_16	28	+	0.4812	0.4228	.0904402	0.8082
vr_18	28	+	0.3995	0.3220	.0910504	0.8103

vr_20	27	-	0.4251	0.3402	.0917986	0.8135
vr_21	26	-	0.1098	0.0393	.0988454	0.8233
vr_25	25	+	0.2726	0.2166	.0950183	0.8159
vr_27	26	+	0.6126	0.5454	.0868461	0.8051
vr_30	26	+	0.6016	0.5408	.088248	0.8065
vr_31	25	+	0.3799	0.3216	.0932669	0.8133
vr_33	27	+	0.3298	0.2683	.0948298	0.8158
vr_34	27	+	0.1686	0.0839	.0966631	0.8212
vr_38	27	-	0.2527	0.1933	.0961651	0.8179
vr_9	28	+	0.2532	0.1802	.0949084	0.8168
vr_17	28	+	0.3182	0.2363	.0944679	0.8164
vr_22	26	+	0.2543	0.1658	.0953581	0.8198
vr_23	26	+	0.6834	0.6437	.0889571	0.8053
vr_24	26	-	0.1986	0.1414	.0968874	0.8185
vr_26	26	+	0.2904	0.1949	.0946425	0.8198
vr_28	26	+	0.4967	0.4195	.0893125	0.8097
vr_32	26	-	0.2678	0.1948	.0946431	0.8171
vr_35	27	+	0.1322	0.0498	.0968451	0.8211
vr_36	27	+	0.4719	0.4052	.0912106	0.8108
vr_37	27	+	0.6411	0.5752	.0867677	0.8053
Test scale					.0931879	0.8187

131 //Test verschil tussen groep 1.1 en 0.1, ranksum
 132 ranksum angstX1, by(code2)

Two-sample Wilcoxon rank-sum (Mann-Whitney) test

code2	obs	rank sum	expected
0	14	217.5	203
1	14	188.5	203
combined	28	406	406

unadjusted variance **473.67**
 adjustment for ties **-1.81**
 adjusted variance **471.85**

Ho: angstX1(code2==0) = angstX1(code2==1)
 z = **0.668**
 Prob > |z| = **0.5044**

133
 134 *****
 135 *****
 136 *****
 137
 138 //Categorie toekomst 5, 6, 8, 9, 16, 18, 21, 25, 31, 32, 36 en 37
 139 alpha vr_5 vr_6 vr_8 vr_9 vr_16 vr_18 vr_21 vr_25 vr_31 vr_32 vr_36 vr_35 if code2==
 > 1 & code==0, item gen(toekomst10) asis

Test scale = mean(unstandardized items)

Item	Obs	Sign	item-test correlation	item-rest correlation	average interitem covariance	alpha
vr_5	13	+	0.3165	0.1366	.197006	0.8423
vr_6	14	+	0.8795	0.8378	.1577591	0.7803
vr_8	13	+	0.8140	0.7600	.1621344	0.7896
vr_9	14	+	0.7462	0.6359	.1460779	0.7885
vr_16	14	+	0.7477	0.6667	.1612319	0.7947
vr_18	14	+	0.7501	0.6903	.1710236	0.7976
vr_21	14	+	0.6360	0.5552	.1734321	0.8029
vr_25	13	+	0.7236	0.6563	.1729902	0.8004
vr_31	12	+	0.6247	0.5356	.1772858	0.8072
vr_32	13	+	0.0674	-0.1047	.2174008	0.8543
vr_36	14	+	0.0007	-0.0919	.2165793	0.8428
vr_35	14	+	0.7499	0.6473	.1506118	0.7897

Test scale		.1753486	0.8228
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140 alpha vr_5 vr_6 vr_8 vr_9 vr_16 vr_18 vr_21 vr_25 vr_31 vr_32 vr_36 vr_35 if code2== > 1 & code==1, item gen(toekomst11) asis

Test scale = mean(unstandardized items)

Item	Obs	Sign	item-test correlation	item-rest correlation	average interitem covariance	alpha
vr_5	14	+	0.5616	0.3739	-.0031968	.
vr_6	14	+	0.6593	0.5309	-.0041958	.
vr_8	14	+	0.2252	0.0000	.0027972	0.0822
vr_9	14	+	0.6481	0.2497	-.0041958	.
vr_16	14	+	0.4710	0.3051	-.0013986	.
vr_18	14	+	0.1687	-0.1103	.0051948	0.1474
vr_21	14	+	-0.1295	-0.3925	.0125874	0.3023
vr_25	14	+	0.4651	0.3120	-.0011988	.
vr_31	14	+	0.1425	-0.0625	.0037962	0.1077
vr_32	14	+	0.1433	-0.2493	.0107892	0.2883
vr_36	14	+	0.0942	-0.0942	.0041958	0.1171
vr_35	14	+	0.3488	0.0000	.0027972	0.0889
Test scale					.002331	0.0774

141 alpha vr_5 vr_6 vr_8 vr_9 vr_16 vr_18 vr_21 vr_25 vr_31 vr_32 vr_36 vr_35 if code2== > 0 & code==0, item gen(toekomst00) asis

Test scale = mean(unstandardized items)

Item	Obs	Sign	item-test correlation	item-rest correlation	average interitem covariance	alpha
vr_5	14	+	0.1069	-0.0094	.0921216	0.5942
vr_6	14	+	0.5814	0.4841	.0748009	0.5390
vr_8	14	+	0.7145	0.5723	.0566647	0.4823
vr_9	14	+	0.2179	0.1129	.0855991	0.5709
vr_16	14	+	0.7966	0.7295	.0548842	0.4600
vr_18	14	+	0.7841	0.6740	.0440018	0.4175
vr_21	12	+	0.4125	0.1791	.079059	0.5688
vr_25	12	+	0.6158	0.4591	.068453	0.5218
vr_31	13	+	0.6286	0.4457	.0669114	0.5198
vr_32	13	+	-0.0917	-0.3476	.1152002	0.6754
vr_36	13	+	0.5584	0.2884	.0716742	0.5554
vr_35	13	+	0.2090	-0.0252	.0919615	0.6057
Test scale					.0751331	0.5723

142 alpha vr_5 vr_6 vr_8 vr_9 vr_16 vr_18 vr_21 vr_25 vr_31 vr_32 vr_36 vr_35 if code2== > 0 & code==1, item gen(toekomst01) asis

Test scale = mean(unstandardized items)

Item	Obs	Sign	item-test correlation	item-rest correlation	average interitem covariance	alpha
vr_5	14	+	0.2821	0.1174	.0209767	0.2652
vr_6	14	+	0.1236	0.0000	.0245277	0.2940
vr_8	14	+	0.1337	-0.0647	.0269315	0.3223
vr_9	14	+	0.3734	0.0266	.0224612	0.3080
vr_16	14	+	-0.0520	-0.1613	.0280364	0.3230
vr_18	14	+	0.6274	0.3940	.0062078	0.1020
vr_21	14	+	0.3857	0.0249	.0226805	0.3141
vr_25	14	+	0.0357	-0.1740	.0315958	0.3619
vr_31	14	+	0.4044	0.1456	.0176366	0.2435

vr_32	13	+	0.2028	-0.1945	.0290709	0.3464
vr_36	14	+	0.4818	0.1925	.0144146	0.2132
vr_35	14	+	0.8104	0.7110	.0002699	0.0046
Test scale					.0204103	0.2869

```
143
144 //Assumpties
145 swilk toekomst10 toekomst11 toekomst00 toekomst01
```

Shapiro-Wilk W test for normal data

Variable	Obs	W	V	z	Prob>z
toekomst10	14	0.97863	0.395	-1.826	0.96611
toekomst11	14	0.96600	0.629	-0.912	0.81914
toekomst00	14	0.93218	1.255	0.447	0.32730
toekomst01	14	0.75449	4.544	2.980	0.00144

```
146 sdtest toekomst10==toekomst11
```

Variance ratio test

Variable	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]	
toeko~10	14	3.08438	.1236713	.4627357	2.817204	3.351555
toeko~11	14	3.267857	.0463722	.1735089	3.167676	3.368038
combined	28	3.176118	.0671671	.3554149	3.038303	3.313934

ratio = sd(toekomst10) / sd(toekomst11) f = 7.1125
 Ho: ratio = 1 degrees of freedom = 13, 13

Ha: ratio < 1 Ha: ratio != 1 Ha: ratio > 1
 Pr(F < f) = 0.9994 2*Pr(F > f) = 0.0012 Pr(F > f) = 0.0006

```
147 sdtest toekomst00==toekomst01
```

Variance ratio test

Variable	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]	
toeko~00	14	3.055952	.1126277	.4214143	2.812635	3.29927
toeko~01	14	3.199134	.0706728	.2644334	3.046455	3.351813
combined	28	3.127543	.0666786	.35283	2.99073	3.264356

ratio = sd(toekomst00) / sd(toekomst01) f = 2.5397
 Ho: ratio = 1 degrees of freedom = 13, 13

Ha: ratio < 1 Ha: ratio != 1 Ha: ratio > 1
 Pr(F < f) = 0.9474 2*Pr(F > f) = 0.1051 Pr(F > f) = 0.0526

```
148 sdtest toekomst01==toekomst11
```

Variance ratio test

Variable	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]	
toeko~01	14	3.199134	.0706728	.2644334	3.046455	3.351813
toeko~11	14	3.267857	.0463722	.1735089	3.167676	3.368038
combined	28	3.233496	.041998	.2222323	3.147323	3.319668

ratio = sd(toekomst01) / sd(toekomst11) f = 2.3227
 Ho: ratio = 1 degrees of freedom = 13, 13

Ha: ratio < 1 Ha: ratio != 1 Ha: ratio > 1
 Pr(F < f) = 0.9292 2*Pr(F > f) = 0.1417 Pr(F > f) = 0.0708

149
 150 //Verschil in toekomst?
 151 ttest toekomst10==toekomst11, unpaired

Two-sample t test with equal variances

Variable	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]	
toeko~10	14	3.08438	.1236713	.4627357	2.817204	3.351555
toeko~11	14	3.267857	.0463722	.1735089	3.167676	3.368038
combined	28	3.176118	.0671671	.3554149	3.038303	3.313934
diff		-.1834776	.1320794		-.4549708	.0880156

diff = mean(toekomst10) - mean(toekomst11) t = -1.3891
 Ho: diff = 0 degrees of freedom = 26
 Ha: diff < 0 Ha: diff != 0 Ha: diff > 0
 Pr(T < t) = 0.0883 Pr(|T| > |t|) = 0.1766 Pr(T > t) = 0.9117

152 ttest toekomst00==toekomst01, unpaired

Two-sample t test with equal variances

Variable	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]	
toeko~00	14	3.055952	.1126277	.4214143	2.812635	3.29927
toeko~01	14	3.199134	.0706728	.2644334	3.046455	3.351813
combined	28	3.127543	.0666786	.35283	2.99073	3.264356
diff		-.1431818	.1329648		-.4164949	.1301314

diff = mean(toekomst00) - mean(toekomst01) t = -1.0768
 Ho: diff = 0 degrees of freedom = 26
 Ha: diff < 0 Ha: diff != 0 Ha: diff > 0
 Pr(T < t) = 0.1457 Pr(|T| > |t|) = 0.2914 Pr(T > t) = 0.8543

153 ttest toekomst01==toekomst11, unpaired

Two-sample t test with equal variances

Variable	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]	
toeko~01	14	3.199134	.0706728	.2644334	3.046455	3.351813
toeko~11	14	3.267857	.0463722	.1735089	3.167676	3.368038
combined	28	3.233496	.041998	.2222323	3.147323	3.319668
diff		-.0687229	.0845282		-.2424732	.1050274

diff = mean(toekomst01) - mean(toekomst11) t = -0.8130
 Ho: diff = 0 degrees of freedom = 26
 Ha: diff < 0 Ha: diff != 0 Ha: diff > 0
 Pr(T < t) = 0.2118 Pr(|T| > |t|) = 0.4236 Pr(T > t) = 0.7882

154

```
155 *****
156
157 //Categorie normen en waarden 4, 7, 10, 15, 17, 20, 22, 24, 26, 28, 33, 34, 35 en 38
158 alpha vr_4 vr_7 vr_10 vr_15 vr_17 vr_20 vr_22 vr_24 vr_26 vr_28 vr_33 vr_34 vr_35 vr
> _38 if code2==1 & code==0, item asis gen(norml0)
```

Test scale = mean(unstandardized items)

Item	Obs	Sign	item-test correlation	item-rest correlation	average interitem covariance	alpha
vr_4	13	+	0.1740	-0.1170	.0087349	0.1626
vr_7	14	+	0.3788	0.1743	-.0009615	.
vr_10	14	+	0.1110	-0.0538	.0067486	0.1218
vr_15	14	+	0.4248	0.2831	-.0012464	.
vr_17	14	+	0.1001	-0.1307	.0081553	0.1480
vr_20	14	+	0.2150	0.0458	.0032585	0.0627
vr_22	14	+	0.4127	0.0555	.0047602	0.0990
vr_24	14	+	-0.1845	-0.3038	.0108143	0.1815
vr_26	14	+	0.0037	-0.2962	.0186313	0.2970
vr_28	14	+	0.3443	0.0756	.0017035	0.0355
vr_33	14	+	0.3896	0.1114	.0030449	0.0620
vr_34	14	+	0.4918	0.1360	-.0036443	.
vr_35	14	+	0.6164	0.3298	-.0079297	.
vr_38	14	+	0.0841	-0.1242	.0056683	0.1059
Test scale					.0041278	0.0872

```
159 alpha vr_4 vr_7 vr_10 vr_15 vr_17 vr_20 vr_22 vr_24 vr_26 vr_28 vr_33 vr_34 vr_35 vr
> _38 if code2==1 & code==1, item asis gen(norml1)
```

Test scale = mean(unstandardized items)

Item	Obs	Sign	item-test correlation	item-rest correlation	average interitem covariance	alpha
vr_4	14	+	-0.1646	-0.4158	.0064103	0.1717
vr_7	14	+	0.3006	0.1490	-.0040152	.
vr_10	14	+	0.3398	0.1909	-.0044379	.
vr_15	14	+	0.2899	0.0884	-.003663	.
vr_17	14	+	-0.0319	-0.3335	.0053536	0.1501
vr_20	14	+	0.1691	-0.1936	.002395	0.0748
vr_22	14	+	0.6223	0.2562	-.0083826	.
vr_24	14	+	-0.1568	-0.3027	.0009158	0.0269
vr_26	14	+	0.3791	-0.0168	-.0020428	.
vr_28	14	+	0.5499	0.3817	-.007326	.
vr_33	14	+	0.3440	0.0237	-.0029586	.
vr_34	14	+	0.1420	0.0269	-.0026768	.
vr_35	14	+	0.3006	-0.0137	-.0021837	.
vr_38	14	+	0.5149	0.3146	-.0069738	.
Test scale					-.0021133	.

```
160 alpha vr_4 vr_7 vr_10 vr_15 vr_17 vr_20 vr_22 vr_24 vr_26 vr_28 vr_33 vr_34 vr_35 vr
> _38 if code2==0 & code==0, item asis gen(norm00)
```

Test scale = mean(unstandardized items)

Item	Obs	Sign	item-test correlation	item-rest correlation	average interitem covariance	alpha
vr_4	14	+	0.5802	0.3365	.0024912	0.0326
vr_7	13	+	0.4106	0.0978	.0071366	0.0837
vr_10	14	+	0.0803	-0.2150	.0228368	0.2303
vr_15	14	+	0.0973	-0.2118	.0171921	0.1811
vr_17	14	+	0.6045	0.3287	-.0033284	.
vr_20	13	+	0.1430	-0.1864	.0345635	0.3328
vr_22	12	+	0.3793	0.1319	.0119534	0.1380
vr_24	12	+	0.1118	-0.0895	.0204128	0.2114
vr_26	12	+	0.1314	-0.1986	.030488	0.3070
vr_28	12	+	0.7634	0.5478	-.0141586	.
vr_33	13	+	0.0445	-0.1061	.0195291	0.1995
vr_34	13	+	0.4858	0.3134	.0056975	0.0683
vr_35	13	+	0.2202	0.0119	.0193807	0.2028
vr_38	13	+	-0.2781	-0.4592	.0426547	0.3645
Test scale					.0154823	0.1820

```
161 alpha vr_4 vr_7 vr_10 vr_15 vr_17 vr_20 vr_22 vr_24 vr_26 vr_28 vr_33 vr_34 vr_35 vr
> _38 if code2==0 & code==1, item asis gen(norm01)
```

Test scale = mean(unstandardized items)

Item	Obs	Sign	item-test correlation	item-rest correlation	average interitem covariance	alpha
vr_4	13	+	0.1606	-0.1364	.0270499	0.4103
vr_7	14	+	0.6094	0.5154	.0136396	0.2360
vr_10	14	+	0.0865	-0.1340	.0265135	0.3922
vr_15	14	+	0.1682	-0.0000	.0222756	0.3426
vr_17	14	+	0.4573	0.2790	.0153609	0.2649
vr_20	14	+	0.1460	-0.1779	.0304725	0.4509
vr_22	14	+	0.6383	0.4372	.0077457	0.1581
vr_24	14	+	0.1165	-0.0118	.0225902	0.3419
vr_26	14	+	-0.1065	-0.3387	.0354226	0.4729
vr_28	14	+	0.6059	0.3479	.008452	0.1763
vr_33	14	+	0.6885	0.5605	.0079416	0.1550
vr_34	14	+	0.6771	0.5041	.0064399	0.1330
vr_35	14	+	0.3960	0.1963	.0166311	0.2832
vr_38	14	+	-0.1189	-0.2324	.0262583	0.3772
Test scale					.019063	0.3310

```
162
163 //Assumpties
164 swilk norml0 norml1
```

Shapiro-Wilk W test for normal data

Variable	Obs	W	V	z	Prob>z
norml0	14	0.97778	0.411	-1.750	0.95990
norml1	14	0.97488	0.465	-1.508	0.93419

165 swilk norm00 norm01

Shapiro-Wilk W test for normal data

Variable	Obs	W	V	z	Prob>z
norm00	14	0.98697	0.241	-2.800	0.99744
norm01	14	0.96126	0.717	-0.655	0.74382

166 sdtest norm10==norm11

Variance ratio test

Variable	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]	
norm10	14	3.148744	.0577403	.2160446	3.024004	3.273485
norm11	14	3.295918	.0442076	.1654098	3.200414	3.391423
combined	28	3.222331	.0383883	.2031315	3.143565	3.301097

ratio = sd(norm10) / sd(norm11) f = 1.7059
 Ho: ratio = 1 degrees of freedom = 13, 13

Ha: ratio < 1 Ha: ratio != 1 Ha: ratio > 1
 Pr(F < f) = 0.8262 2*Pr(F > f) = 0.3477 Pr(F > f) = 0.1738

167 sdtest norm00==norm01

Variance ratio test

Variable	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]	
norm00	14	3.180141	.0746884	.2794583	3.018787	3.341496
norm01	14	3.193485	.062967	.2356011	3.057453	3.329517
combined	28	3.186813	.0479488	.2537211	3.08843	3.285196

ratio = sd(norm00) / sd(norm01) f = 1.4070
 Ho: ratio = 1 degrees of freedom = 13, 13

Ha: ratio < 1 Ha: ratio != 1 Ha: ratio > 1
 Pr(F < f) = 0.7265 2*Pr(F > f) = 0.5469 Pr(F > f) = 0.2735

168 sdtest norm01==norm11

Variance ratio test

Variable	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]	
norm01	14	3.193485	.062967	.2356011	3.057453	3.329517
norm11	14	3.295918	.0442076	.1654098	3.200414	3.391423
combined	28	3.244702	.0390146	.2064457	3.16465	3.324753

ratio = sd(norm01) / sd(norm11) f = 2.0288
 Ho: ratio = 1 degrees of freedom = 13, 13

Ha: ratio < 1 Ha: ratio != 1 Ha: ratio > 1
 Pr(F < f) = 0.8923 2*Pr(F > f) = 0.2155 Pr(F > f) = 0.1077

169
 170 //Verschil in waarden en normen?
 171 ttest norm10==norm11, unpaired

Two-sample t test with equal variances

Variable	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]	
norm10	14	3.148744	.0577403	.2160446	3.024004	3.273485
norm11	14	3.295918	.0442076	.1654098	3.200414	3.391423
combined	28	3.222331	.0383883	.2031315	3.143565	3.301097
diff		-.1471742	.0727204		-.2966532	.0023048

diff = mean(**norm10**) - mean(**norm11**) t = -2.0238
 Ho: diff = 0 degrees of freedom = 26
 Ha: diff < 0 Ha: diff != 0 Ha: diff > 0
 Pr(T < t) = 0.0267 Pr(|T| > |t|) = 0.0534 Pr(T > t) = 0.9733

172 ttest norm00==norm01, unpaired

Two-sample t test with equal variances

Variable	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]	
norm00	14	3.180141	.0746884	.2794583	3.018787	3.341496
norm01	14	3.193485	.062967	.2356011	3.057453	3.329517
combined	28	3.186813	.0479488	.2537211	3.08843	3.285196
diff		-.0133438	.0976893		-.214147	.1874595

diff = mean(**norm00**) - mean(**norm01**) t = -0.1366
 Ho: diff = 0 degrees of freedom = 26
 Ha: diff < 0 Ha: diff != 0 Ha: diff > 0
 Pr(T < t) = 0.4462 Pr(|T| > |t|) = 0.8924 Pr(T > t) = 0.5538

173 ttest norm01==norm11, unpaired

Two-sample t test with equal variances

Variable	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]	
norm01	14	3.193485	.062967	.2356011	3.057453	3.329517
norm11	14	3.295918	.0442076	.1654098	3.200414	3.391423
combined	28	3.244702	.0390146	.2064457	3.16465	3.324753
diff		-.1024333	.0769361		-.2605777	.0557111

diff = mean(**norm01**) - mean(**norm11**) t = -1.3314
 Ho: diff = 0 degrees of freedom = 26
 Ha: diff < 0 Ha: diff != 0 Ha: diff > 0
 Pr(T < t) = 0.0973 Pr(|T| > |t|) = 0.1946 Pr(T > t) = 0.9027

174
 end of do-file

175 log close
 name: <unnamed>
 log: D:\Desktop\BRM3\TUEBRM2\Stata13\DataAnalyse.smcl
 log type: smcl
 closed on: 19 Oct 2014, 15:10:39