



Relationship  
Between Meaning in  
Life and Some  
Health-Related  
Behaviors

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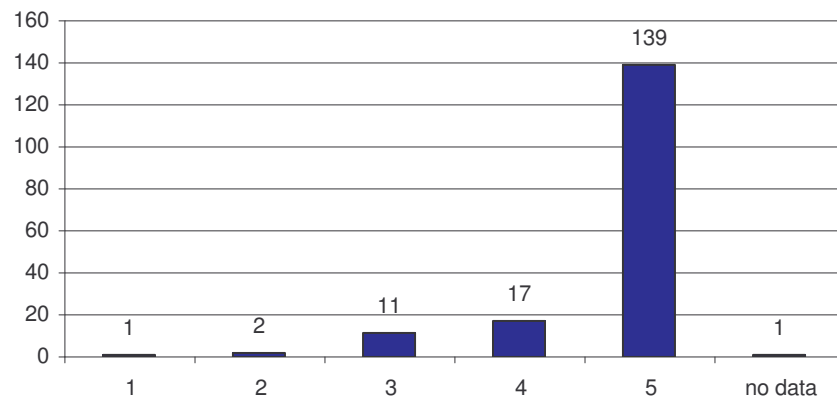
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# 1. General Information

➤ Cross sectional design

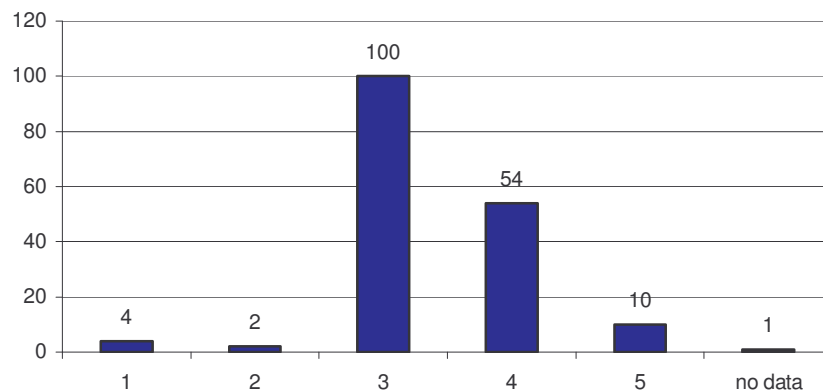
➤ Sample:

- ✓ Hungarian “normal” (non-patient) adolescents and young adults from the capital and from another bigger town (Szeged);
- ✓ N = 171; males = 69, females = 102; average age = 23.9 years (ranging from 15 to 32; standard deviation = 3.3 years);
- ✓ Education:



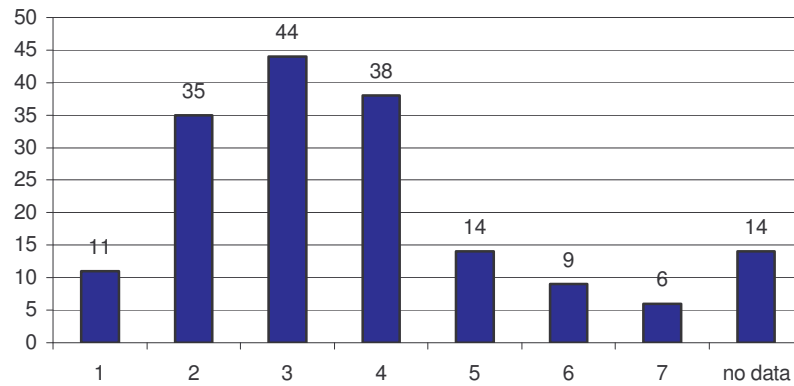
1 = primary school; 2 = trade school; 3 = specialized secondary school; 4 = grammar school; 5 = college or university (finished or in progress)

✓ Working status:



1 = unemployed; 2 = manual / industrial worker; 3 = student; 4 = white-collar worker; 5 = middle and top managers

- ✓ Financial state (net monthly income pro head):



1 = 30.000 HUF (120 €) or less; 2 = 30.000-50.000 HUF; 3 = 50.000-80.000 HUF; 4 = 80.000-120.000 HUF; 5 = 120.000-160.000 HUF; 6 = 160.000-200.000 HUF; 7 = 200.000 HUF (800 €) or more

➤ Measure instruments

- ✓ Hungarian version of the Existence Scale (LÄNGLE, ORGLER, & KUNDI, 2000);<sup>1</sup>
- ✓ Hungarian version of the Logo-Test (LUKAS, 1986);<sup>2</sup>
- ✓ An ad hoc inventory for measuring socioeconomical status and health-related behaviors.

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<sup>1</sup> With four subscales: “self-distance” (SD), “self-transcendence” (ST), “freedom” (F), and “responsibility” (R).

<sup>2</sup> *Important to note when interpreting results: the Existence Scale and the Logo-Test measure in the opposite direction (in the former case the higher scores mean the better meaning fulfillment, in the latter case the lower)!*

## 2. Scale- and Reliability Analysis of the Existence Scale

<b>ESK / SD</b>	<b>Mean</b>	<b>Std Dev</b>	<b>Cases</b>
ESK3	4,5088	1,4597	171,0
ESK5	4,4152	1,3710	171,0
ESK19	4,6374	1,4007	171,0
ESK32	3,7222	1,5263	171,0
ESK40	3,7573	1,4994	171,0
ESK42	4,5819	1,3641	171,0
ESK43	5,0819	1,2529	171,0
ESK44	4,0585	1,5921	171,0
ESK / SD	34,7632	6,7802	171,0

<b>ESK / SD</b>	<b>Scale Mean if Item Deleted</b>	<b>Scale Variance if Item Deleted</b>	<b>Corrected Item-Total Correlation</b>	<b>Squared Multiple Correlation</b>	<b>Alpha if Item Deleted</b>
ESK3	30,2544	36,7423	,4011	,2147	,7099
ESK5	30,3480	37,5297	,3907	,2209	,7117
ESK19	30,1257	37,3238	,3907	,2361	,7118
ESK32	31,0409	35,7307	,4335	,3588	,7035
ESK40	31,0058	33,4558	,5920	,4417	,6691
ESK42	30,1813	37,9581	,3660	,2439	,7162
ESK43	29,6813	37,0022	,4855	,2935	,6954
ESK44	30,7047	36,6020	,3548	,2683	,7210
Reliability Coefficients (8 items): Alpha = ,7323 Standardized item alpha = ,7342					

<b>ESK / ST</b>	<b>Mean</b>	<b>Std Dev</b>	<b>Cases</b>
ESK2	4,9795	1,1483	171,0
ESK4	5,6608	,9528	171,0
ESK11	5,6345	,8958	171,0
ESK12	4,3860	1,4482	171,0
ESK13	5,4064	1,1402	171,0
ESK14	4,9678	1,1481	171,0
ESK21	4,5000	1,3880	171,0
ESK27	5,0526	1,3954	171,0
ESK33	5,2690	1,1314	171,0
ESK34	5,5526	1,0793	171,0
ESK35	4,5643	1,2621	171,0
ESK36	5,1228	1,1592	171,0
ESK41	4,7222	1,5360	171,0

<b>ESK / ST</b>	<b>Mean</b>	<b>Std Dev</b>	<b>Cases</b>
ESK45	5,3421	1,1382	171,0
ESK / ST	71,1608	8,7240	171,0

<b>ESK / ST</b>	<b>Scale Mean if Item Deleted</b>	<b>Scale Variance if Item Deleted</b>	<b>Corrected Item-Total Correlation</b>	<b>Squared Multiple Correlation</b>	<b>Alpha if Item Deleted</b>
ESK2	66,1813	69,3816	,2827	,1824	,7814
ESK4	65,5000	66,3000	,5736	,5257	,7607
ESK11	65,5263	67,6831	,5172	,4004	,7656
ESK12	66,7749	66,8240	,3035	,2530	,7825
ESK13	65,7544	62,6011	,6766	,6172	,7484
ESK14	66,1930	67,5361	,3844	,2557	,7732
ESK21	66,6608	64,7402	,4227	,2516	,7700
ESK27	66,1082	60,5838	,6250	,4995	,7488
ESK33	65,8918	69,8162	,2651	,1542	,7827
ESK34	65,6082	66,2309	,4959	,5103	,7645
ESK35	66,5965	66,8980	,3689	,1869	,7747
ESK36	66,0380	70,7794	,2043	,1788	,7878
ESK41	66,4386	70,1683	,1391	,0858	,8009
ESK45	65,8187	64,4052	,5697	,4438	,7577
Reliability Coefficients (14 items)					
Alpha = ,7847					
Standardized item alpha = ,7991					

<b>ESK / F</b>	<b>Mean</b>	<b>Std Dev</b>	<b>Cases</b>
ESK9	4,4532	1,3701	171,0
ESK10	4,7368	1,4249	171,0
ESK15	4,1988	1,2157	171,0
ESK17	4,7281	1,2848	171,0
ESK18	3,7281	1,5100	171,0
ESK23	4,5848	1,3039	171,0
ESK24	3,9415	1,6367	171,0
ESK26	4,3860	1,5681	171,0
ESK28	4,3947	1,6281	171,0
ESK31	5,0702	1,0810	171,0
ESK46	4,6813	1,6801	171,0
ESK / F	48,9035	8,4763	171,0

<b>ESK / F</b>	<b>Scale Mean if Item Deleted</b>	<b>Scale Variance if Item Deleted</b>	<b>Corrected Item-Total Correlation</b>	<b>Squared Multiple Correlation</b>	<b>Alpha if Item Deleted</b>
ESK9	44,4503	62,5402	,3429	,1961	,7395
ESK10	44,1667	62,9000	,3061	,1503	,7443
ESK15	44,7047	62,8284	,3913	,2462	,7341
ESK17	44,1754	61,3779	,4381	,2806	,7283
ESK18	45,1754	58,8955	,4605	,2505	,7241
ESK23	44,3187	64,3934	,2750	,1763	,7471
ESK24	44,9620	61,9853	,2787	,1902	,7505
ESK26	44,5175	58,4967	,4541	,4115	,7248
ESK28	44,5088	58,4720	,4308	,2256	,7283
ESK31	43,8333	62,8794	,4550	,3323	,7289
ESK46	44,2222	54,6592	,5783	,4752	,7051
Reliability Coefficients (11 items) Alpha = ,7510 Standardized item alpha = ,7534					

<b>ESK / R</b>	<b>Mean</b>	<b>Std Dev</b>	<b>Cases</b>
ESK1	4,4766	1,4741	171,0
ESK6	4,0614	1,5129	171,0
ESK7	4,1491	1,5912	171,0
ESK8	4,4386	1,2744	171,0
ESK16	3,9942	1,4693	171,0
ESK20	3,9971	1,5468	171,0
ESK22	4,0731	1,3380	171,0
ESK25	5,0029	1,1925	171,0
ESK29	2,8304	1,7245	171,0
ESK30	4,3187	1,4770	171,0
ESK37	4,3772	1,5528	171,0
ESK38	4,6111	1,5518	171,0
ESK39	4,2251	1,4483	171,0
ESK / R	54,5556	10,4582	171,0

<b>ESK / R</b>	<b>Scale Mean if Item Deleted</b>	<b>Scale Variance if Item Deleted</b>	<b>Corrected Item-Total Correlation</b>	<b>Squared Multiple Correlation</b>	<b>Alpha if Item Deleted</b>
ESK1	50,0789	95,7217	,3980	,3164	,7914
ESK6	50,4942	93,6264	,4597	,2958	,7860
ESK7	50,4064	93,8706	,4207	,2591	,7897
ESK8	50,1170	99,7186	,3156	,2614	,7974
ESK16	50,5614	93,2918	,4906	,3542	,7834
ESK20	50,5585	97,7995	,3001	,1698	,8002

<b>ESK / R</b>	<b>Scale Mean if Item Deleted</b>	<b>Scale Variance if Item Deleted</b>	<b>Corrected Item-Total Correlation</b>	<b>Squared Multiple Correlation</b>	<b>Alpha if Item Deleted</b>
ESK22	50,4825	97,0850	,3982	,2598	,7913
ESK25	49,5526	95,0413	,5553	,3767	,7806
ESK29	51,7251	98,4328	,2329	,1113	,8085
ESK30	50,2368	90,3186	,6011	,4251	,7736
ESK37	50,1784	93,2312	,4579	,2712	,7862
ESK38	49,9444	91,6160	,5167	,3745	,7808
ESK39	50,3304	91,8240	,5567	,4251	,7778
Reliability Coefficients (13 items)					
Alpha = ,8015					
Standardized item alpha = ,8062					

<b>ESK Total</b>	<b>Mean</b>	<b>Std Dev</b>	<b>Cases</b>
ESK1	4,4766	1,4741	171,0
ESK2	4,9795	1,1483	171,0
ESK3	4,5088	1,4597	171,0
ESK4	5,6608	,9528	171,0
ESK5	4,4152	1,3710	171,0
ESK6	4,0614	1,5129	171,0
ESK7	4,1491	1,5912	171,0
ESK8	4,4386	1,2744	171,0
ESK9	4,4532	1,3701	171,0
ESK10	4,7368	1,4249	171,0
ESK11	5,6345	,8958	171,0
ESK12	4,3860	1,4482	171,0
ESK13	5,4064	1,1402	171,0
ESK14	4,9678	1,1481	171,0
ESK15	4,1988	1,2157	171,0
ESK16	3,9942	1,4693	171,0
ESK17	4,7281	1,2848	171,0
ESK18	3,7281	1,5100	171,0
ESK19	4,6374	1,4007	171,0
ESK20	3,9971	1,5468	171,0
ESK21	4,5000	1,3880	171,0
ESK22	4,0731	1,3380	171,0
ESK23	4,5848	1,3039	171,0
ESK24	3,9415	1,6367	171,0
ESK25	5,0029	1,1925	171,0
ESK26	4,3860	1,5681	171,0
ESK27	5,0526	1,3954	171,0
ESK28	4,3947	1,6281	171,0
ESK29	2,8304	1,7245	171,0
ESK30	4,3187	1,4770	171,0



<b>ESK Total</b>	<b>Mean</b>	<b>Std Dev</b>	<b>Cases</b>
ESK31	5,0702	1,0810	171,0
ESK32	3,7222	1,5263	171,0
ESK33	5,2690	1,1314	171,0
ESK34	5,5526	1,0793	171,0
ESK35	4,5643	1,2621	171,0
ESK36	5,1228	1,1592	171,0
ESK37	4,3772	1,5528	171,0
ESK38	4,6111	1,5518	171,0
ESK39	4,2251	1,4483	171,0
ESK40	3,7573	1,4994	171,0
ESK41	4,7222	1,5360	171,0
ESK42	4,5819	1,3641	171,0
ESK43	5,0819	1,2529	171,0
ESK44	4,0585	1,5921	171,0
ESK45	5,3421	1,1382	171,0
ESK46	4,6813	1,6801	171,0
ESK Total	209,3830	29,7524	171,0

<b>ESK Total</b>	<b>Scale Mean if Item Deleted</b>	<b>Scale Variance if Item Deleted</b>	<b>Corrected Item-Total Correlation</b>	<b>Squared Multiple Correlation</b>	<b>Alpha if Item Deleted</b>
ESK1	204,9064	850,1030	,3831	,4559	,9190
ESK2	204,4035	858,7598	,3733	,3885	,9190
ESK3	204,8743	852,7767	,3554	,5029	,9192
ESK4	203,7222	857,4797	,4806	,6114	,9184
ESK5	204,9678	856,4563	,3348	,4372	,9194
ESK6	205,3216	852,5518	,3437	,4546	,9194
ESK7	205,2339	843,8891	,4195	,3968	,9186
ESK8	204,9444	854,1954	,3945	,5374	,9188
ESK9	204,9298	852,8686	,3806	,4644	,9189
ESK10	204,6462	852,0373	,3743	,3974	,9190
ESK11	203,7485	858,0246	,5026	,5815	,9183
ESK12	204,9971	853,0985	,3547	,5602	,9192
ESK13	203,9766	842,4789	,6259	,7269	,9170
ESK14	204,4152	853,1589	,4581	,4287	,9183
ESK15	205,1842	854,4115	,4125	,4842	,9187
ESK16	205,3889	839,7699	,5082	,5896	,9177
ESK17	204,6550	847,8538	,4771	,5116	,9181
ESK18	205,6550	832,1420	,5829	,6218	,9169
ESK19	204,7456	837,0276	,5702	,5767	,9171
ESK20	205,3860	849,8443	,3655	,3632	,9192
ESK21	204,8830	851,2068	,3960	,4494	,9188
ESK22	205,3099	860,0181	,2981	,4761	,9197
ESK23	204,7982	861,7841	,2837	,3433	,9198
ESK24	205,4415	847,5613	,3669	,4350	,9193

<b>ESK Total</b>	<b>Scale Mean if Item Deleted</b>	<b>Scale Variance if Item Deleted</b>	<b>Corrected Item-Total Correlation</b>	<b>Squared Multiple Correlation</b>	<b>Alpha if Item Deleted</b>
ESK25	204,3801	845,5105	,5519	,5565	,9175
ESK26	204,9971	841,7015	,4511	,5762	,9183
ESK27	204,3304	832,8740	,6255	,6475	,9165
ESK28	204,9883	840,1616	,4492	,4319	,9183
ESK29	206,5526	855,8590	,2614	,4299	,9206
ESK30	205,0643	832,3635	,5944	,6272	,9168
ESK31	204,3129	849,7471	,5441	,6304	,9177
ESK32	205,6608	859,2313	,2642	,4988	,9203
ESK33	204,1140	863,6619	,3047	,3796	,9195
ESK34	203,8304	859,4387	,3887	,5982	,9189
ESK35	204,8187	846,0434	,5117	,4960	,9178
ESK36	204,2602	867,2539	,2432	,3819	,9200
ESK37	205,0058	844,7853	,4211	,4516	,9186
ESK38	204,7719	830,7830	,5814	,6033	,9168
ESK39	205,1579	839,0514	,5251	,6204	,9175
ESK40	205,6257	839,9709	,4946	,6327	,9178
ESK41	204,6608	872,2902	,1163	,3695	,9218
ESK42	204,8012	842,2338	,5192	,5111	,9176
ESK43	204,3012	842,3014	,5684	,6175	,9173
ESK44	205,3246	842,2720	,4371	,5354	,9184
ESK45	204,0409	849,4542	,5193	,5881	,9178
ESK46	204,7018	820,9046	,6385	,6621	,9161
Reliability Coefficients (46 items)					
Alpha = ,9201					
Standardized item alpha = ,9229					

### 3. Scale- and Reliability Analysis of the Logo-Test

<b>Logo-Test Part I.</b>	<b>Mean</b>	<b>Std Dev</b>	<b>Cases</b>
Logo-Test 1	,4211	,7099	171,0
Logo-Test 2	,1813	,4431	171,0
Logo-Test 3	,3216	,6005	171,0
Logo-Test 4	,8012	,8162	171,0
Logo-Test 5	,3860	,6065	171,0
Logo-Test 6	,2690	,5822	171,0
Logo-Test 7	,1404	,4381	171,0
Logo-Test 8	,7719	,8405	171,0
Logo-Test 9	,3392	,5548	171,0
Logo-Test Part I.	3,6316	2,4299	171,0

<b>Logo-Test Part I.</b>	<b>Scale Mean if Item Deleted</b>	<b>Scale Variance if Item Deleted</b>	<b>Corrected Item-Total Correlation</b>	<b>Squared Multiple Correlation</b>	<b>Alpha if Item Deleted</b>
Logo-Test 1	3,2105	5,3201	,0246	,2088	,4692
Logo-Test 2	3,4503	5,0843	,3123	,1283	,3687
Logo-Test 3	3,3099	4,8034	,2814	,2141	,3626
Logo-Test 4	2,8304	4,4005	,2447	,2094	,3705
Logo-Test 5	3,2456	5,1628	,1357	,0813	,4185
Logo-Test 6	3,3626	4,8442	,2815	,2359	,3640
Logo-Test 7	3,4912	5,5690	,0695	,0717	,4352
Logo-Test 8	2,8596	4,4861	,2000	,1455	,3955
Logo-Test 9	3,2924	5,3022	,1153	,0352	,4246
Reliability Coefficients (9 items)					
Alpha = ,4314					
Standardized item alpha = ,4435					

<b>Logo-Test Part II.</b>	<b>Mean</b>	<b>Std Dev</b>	<b>Cases</b>
Logo-Test 10	1,0643	,4868	171,0
Logo-Test 11	,8012	,6195	171,0
Logo-Test 12	,7076	,6106	171,0
Logo-Test 13	,7778	,5507	171,0
Logo-Test 14	,5731	,6128	171,0
Logo-Test 15	,8187	,6202	171,0
Logo-Test 16	,3216	,5494	171,0
Logo-Test Part II.	5,0643	2,0952	171,0

<b>Logo-Test Part II.</b>	<b>Scale Mean if Item Deleted</b>	<b>Scale Variance if Item Deleted</b>	<b>Corrected Item-Total Correlation</b>	<b>Squared Multiple Correlation</b>	<b>Alpha if Item Deleted</b>
Logo-Test 10	4,0000	3,6000	,2993	,2107	,4927
Logo-Test 11	4,2632	3,2303	,3484	,1664	,4663
Logo-Test 12	4,3567	3,5014	,2257	,0614	,5194
Logo-Test 13	4,2865	3,6762	,1944	,0536	,5290
Logo-Test 14	4,4912	3,8161	,0828	,0590	,5763
Logo-Test 15	4,2456	3,1276	,4002	,2006	,4425
Logo-Test 16	4,7427	3,3569	,3632	,1767	,4647
Reliability Coefficients (7 items) Alpha = ,5398 Standardized item alpha = ,5434					

<b>Logo-Test Part III.</b>	<b>Mean</b>	<b>Std Dev</b>	<b>Cases</b>
Logo-Test 17	,5380	,5450	171,0
Logo-Test 18	,1696	,4975	171,0
Logo-Test 19	1,5205	,8700	171,0
Logo-Test 20	1,8421	,3657	171,0
Logo-Test Part III.	4,0702	1,2997	171,0

<b>Logo-Test Part III.</b>	<b>Scale Mean if Item Deleted</b>	<b>Scale Variance if Item Deleted</b>	<b>Corrected Item-Total Correlation</b>	<b>Squared Multiple Correlation</b>	<b>Alpha if Item Deleted</b>
Logo-Test 17	3,5322	1,3328	,0471	,0850	,2190
Logo-Test 18	3,9006	1,2665	,1564	,0573	,0933
Logo-Test 19	2,5497	,7078	,1533	,0593	,0624
Logo-Test 20	2,2281	1,5065	,0545	,0878	,2041
Reliability Coefficients (4 items) Alpha = ,2004 Standardized item alpha = ,1767					

<b>Logo-Test Total</b>	<b>Mean</b>	<b>Std Dev</b>	<b>Cases</b>
Logo-Test 1	,4211	,7099	171,0
Logo-Test 2	,1813	,4431	171,0
Logo-Test 3	,3216	,6005	171,0
Logo-Test 4	,8012	,8162	171,0
Logo-Test 5	,3860	,6065	171,0
Logo-Test 6	,2690	,5822	171,0
Logo-Test 7	,1404	,4381	171,0
Logo-Test 8	,7719	,8405	171,0
Logo-Test 9	,3392	,5548	171,0
Logo-Test 10	,4868	1,0643	171,0

<b>Logo-Test Total</b>	<b>Mean</b>	<b>Std Dev</b>	<b>Cases</b>
Logo-Test 11	,8012	,6195	171,0
Logo-Test 12	,7076	,6106	171,0
Logo-Test 13	,7778	,5507	171,0
Logo-Test 14	,5731	,6128	171,0
Logo-Test 15	,8187	,6202	171,0
Logo-Test 16	,3216	,5494	171,0
Logo-Test 17	,5380	,5450	171,0
Logo-Test 18	,1696	,4975	171,0
Logo-Test 19	1,5205	,8700	171,0
Logo-Test 20	1,8421	,3657	171,0
Logo-Test Total	12,7661	4,1221	171,0

<b>Logo-Test Total</b>	<b>Scale Mean if Item Deleted</b>	<b>Scale Variance if Item Deleted</b>	<b>Corrected Item-Total Correlation</b>	<b>Squared Multiple Correlation</b>	<b>Alpha if Item Deleted</b>
Logo-Test 1	12,3450	16,5450	-,0099	,2609	,6134
Logo-Test 2	12,5848	15,8207	,2766	,2577	,5726
Logo-Test 3	12,4444	15,0248	,3451	,3452	,5586
Logo-Test 4	11,9649	14,5046	,2930	,2810	,5630
Logo-Test 5	12,3801	16,2135	,0841	,1249	,5955
Logo-Test 6	12,4971	15,5691	,2359	,2740	,5745
Logo-Test 7	12,6257	16,6709	,0361	,1068	,5970
Logo-Test 8	11,9942	14,9353	,2078	,2490	,5801
Logo-Test 9	12,4269	15,7755	,2062	,1513	,5787
Logo-Test 10	11,7018	15,6458	,2880	,2860	,5700
Logo-Test 11	11,9649	15,9282	,1375	,2673	,5883
Logo-Test 12	12,0585	16,0671	,1128	,1410	,5916
Logo-Test 13	11,9883	16,2822	,0915	,1226	,5933
Logo-Test 14	12,1930	15,6037	,2092	,2032	,5780
Logo-Test 15	11,9474	14,6384	,4149	,3100	,5472
Logo-Test 16	12,4444	15,4954	,2762	,2991	,5697
Logo-Test 17	12,2281	16,1771	,1181	,1710	,5899
Logo-Test 18	12,5965	16,1598	,1462	,1877	,5861
Logo-Test 19	11,2456	13,9158	,3573	,2494	,5491
Logo-Test 20	10,9240	16,3177	,1830	,2065	,5833
Reliability Coefficients (20 items) Alpha = ,5921 Standardized item alpha = ,5895					

#### 4. Relations Between the (Sub)scales / Parts of the Logo-Test and the Existence Scale

N = 171		ESK / SD	ESK / ST	ESK / F	ESK / R	ESK Total	Logo-Test Part I.	Logo-Test Part II.	Logo-Test Part III.	Logo-Test Total
ESK / SD	r <sup>3</sup>		,628	,670	,582	,808	-,263	-,449	-,173	-,438
	Sign.		,000	,000	,000	,000	,001	,000	,023	,000
ESK / ST	r	,628		,757	,602	,864	-,367	-,567	-,381	-,625
	Sign.	,000		,000	,000	,000	,000	,000	,000	,000
ESK / F	r	,670	,757		,712	,910	-,237	-,541	-,277	-,502
	Sign.	,000	,000		,000	,000	,002	,000	,000	,000
ESK / R	r	,582	,602	,712		,864	-,207	-,512	-,217	-,451
	Sign.	,000	,000	,000		,000	,006	,000	,004	,000
ESK Total	r	,808	,864	,910	,864		-,308	-,603	-,306	-,584
	Sign.	,000	,000	,000	,000		,000	,000	,000	,000

N = 171		ESK / SD	ESK / ST	ESK / F	ESK / R	ESK Total	Logo-Test Part I.	Logo-Test Part II.	Logo-Test Part III.	Logo-Test Total
Logo-Test Part I.	r	-,263	-,367	-,237	-,207	-,308		,153	,340	,774
	Sign.	,001	,000	,002	,006	,000		,046	,000	,000
Logo-Test Part II.	r	-,449	-,567	-,541	-,512	-,603	,153		,240	,674
	Sign.	,000	,000	,000	,000	,000	,046		,002	,000
Logo-Test Part III.	r	-,173	-,381	-,277	-,217	-,306	,340	,240		,638
	Sign.	,023	,000	,000	,004	,000	,000	,002		,000
Logo-Test Total	r	-,438	-,625	-,502	-,451	-,584	,774	,674	,638	
	Sign.	,000	,000	,000	,000	,000	,000	,000	,000	

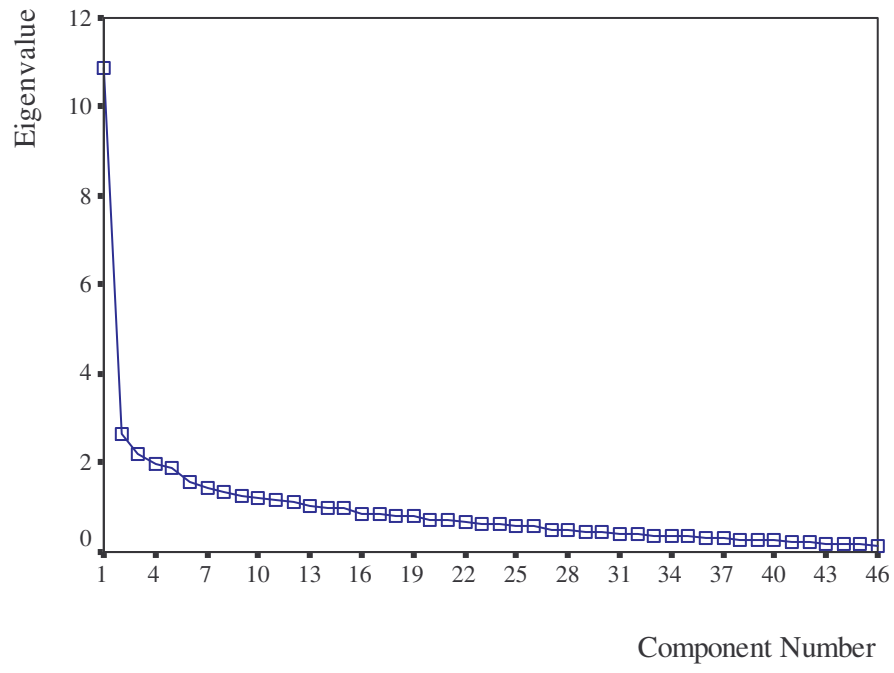
<sup>3</sup> Pearson-correlation

## 5. (Unrotated) Factor Analysis of the Existence Scale

Component	Initial Eigenvalues		
	Total	% of Variance	Cumulative %
1	10,897	23,690	23,690
2	2,663	5,789	29,479
3	2,215	4,816	34,295
4	1,986	4,317	38,612
5	1,885	4,099	42,711
6	1,571	3,416	46,126
7	1,459	3,172	49,299
8	1,332	2,895	52,194
9	1,278	2,778	54,972
10	1,195	2,597	57,569
11	1,161	2,525	60,094
12	1,131	2,458	62,551
13	1,025	2,228	64,779
14	1,002	2,177	66,956
15	,974	2,118	69,074
16	,871	1,894	70,968
17	,861	1,872	72,840
18	,812	1,765	74,605
19	,797	1,732	76,337
20	,719	1,564	77,901
21	,704	1,531	79,432
22	,654	1,422	80,855
23	,635	1,380	82,235
24	,607	1,320	83,554
25	,587	1,276	84,830
26	,576	1,253	86,083
27	,510	1,108	87,191
28	,499	1,085	88,276
29	,470	1,023	89,299
30	,440	,956	90,255
31	,407	,884	91,139
32	,404	,878	92,017
33	,381	,828	92,845
34	,378	,822	93,667
35	,365	,793	94,460
36	,326	,709	95,168
37	,312	,679	95,847
38	,288	,626	96,474
39	,266	,578	97,052
40	,259	,563	97,614
41	,246	,535	98,149
42	,203	,441	98,590
43	,180	,392	98,982
44	,160	,348	99,331
45	,158	,344	99,675
46	,150	,325	100,000

Extraction Method: Principal Component Analysis

# Scree Plot



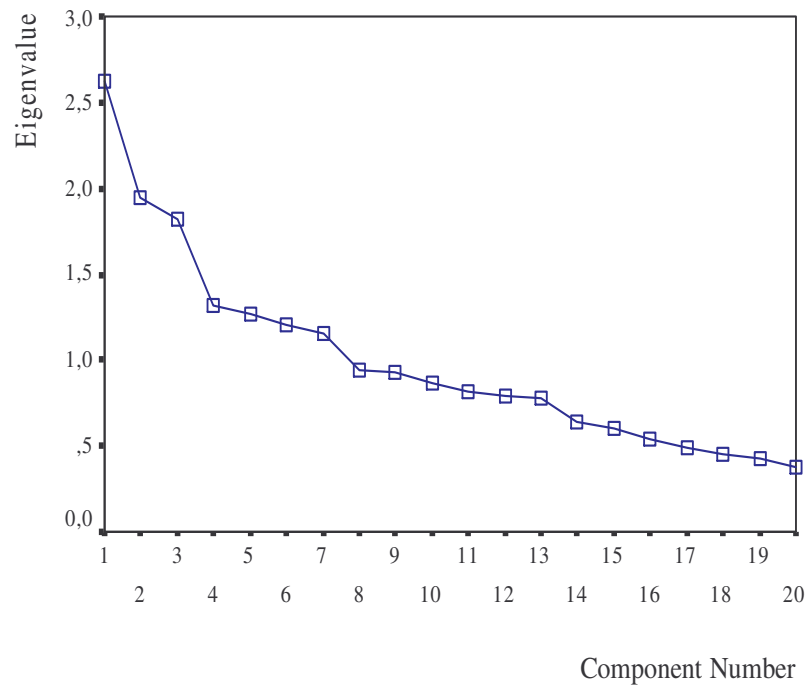


## 6. (Unrotated) Factor Analysis of the Logo-Test

Component	Initial Eigenvalues		
	Total	% of Variance	Cumulative %
1	2,629	13,146	13,146
2	1,948	9,740	22,886
3	1,824	9,118	32,004
4	1,314	6,571	38,574
5	1,265	6,324	44,898
6	1,205	6,025	50,923
7	1,149	5,745	56,668
8	,941	4,703	61,371
9	,927	4,633	66,004
10	,869	4,344	70,348
11	,813	4,065	74,412
12	,796	3,982	78,395
13	,778	3,891	82,286
14	,636	3,181	85,467
15	,603	3,015	88,482
16	,540	2,700	91,182
17	,495	2,477	93,659
18	,457	2,286	95,945
19	,431	2,156	98,101
20	,380	1,899	100,000

Extraction Method: Principal Component Analysis

Scree Plot



## 7. (Unrotated) Joint Factor Analysis of the Logo-Test and the Existence Scale<sup>4</sup>

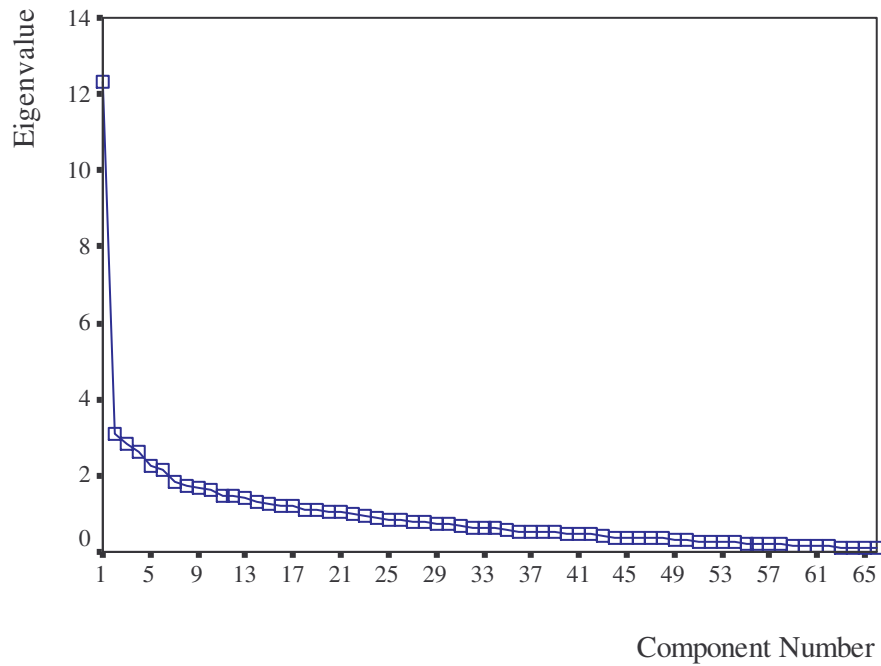
Component	Initial Eigenvalues		
	Total	% of Variance	Cumulative %
1	12,340	18,697	18,697
2	3,073	4,657	23,353
3	2,844	4,309	27,663
4	2,626	3,979	31,642
5	2,274	3,446	35,087
6	2,151	3,259	38,346
7	1,825	2,765	41,111
8	1,748	2,649	43,760
9	1,663	2,520	46,280
10	1,619	2,452	48,733
11	1,492	2,260	50,993
12	1,464	2,218	53,211
13	1,412	2,139	55,350
14	1,290	1,955	57,305
15	1,254	1,900	59,206
16	1,211	1,834	61,040
17	1,186	1,797	62,837
18	1,124	1,703	64,540
19	1,115	1,689	66,230
20	1,068	1,618	67,848
21	1,043	1,581	69,429
22	,993	1,504	70,933
23	,965	1,462	72,395
24	,897	1,358	73,754
25	,864	1,309	75,063
26	,825	1,251	76,314
27	,789	1,196	77,509
28	,770	1,167	78,676
29	,758	1,148	79,824
30	,731	1,108	80,932
31	,688	1,043	81,975
32	,655	,993	82,967
33	,636	,963	83,931
34	,608	,922	84,853
35	,575	,871	85,724
36	,537	,814	86,538
37	,532	,806	87,344
38	,526	,797	88,141
39	,513	,778	88,918
40	,490	,742	89,660
41	,478	,724	90,384

<sup>4</sup> Actually the sample size was not enough big for this analysis. The number of participants should be at least 198 (3 X 66), but rather 330 (5 X 66). It was only completed to make possible the comparison with occasional further investigations.

Component	Initial Eigenvalues		
	Total	% of Variance	Cumulative %
42	,447	,678	91,062
43	,416	,630	91,692
44	,391	,593	92,285
45	,389	,589	92,874
46	,374	,567	93,441
47	,361	,547	93,988
48	,355	,537	94,525
49	,333	,504	95,029
50	,329	,499	95,528
51	,285	,432	95,960
52	,277	,420	96,380
53	,254	,386	96,766
54	,245	,371	97,137
55	,236	,357	97,494
56	,220	,333	97,827
57	,193	,293	98,120
58	,185	,280	98,400
59	,178	,270	98,670
60	,160	,242	98,912
61	,143	,216	99,128
62	,134	,204	99,332
63	,128	,193	99,525
64	,110	,167	99,692
65	,108	,164	99,856
66	,095	,144	100,000

Extraction Method: Principal Component Analysis

### Scree Plot



**Joint Factor Analysis of the Logo-Test and the Existence Scale – Principal Component Analysis (components over eigenvalue 1)**

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
ESK / 13 (ST)	0,70	-0,41	0,06	0,13	-0,10	-0,05	-0,01	0,06	0,05	0,06	-0,01	-0,01	-0,05	0,10	-0,04	0,08	0,05	0,16	0,08	0,15	-0,02
ESK / 27 (ST)	0,69	-0,19	0,30	-0,01	0,03	0,09	-0,03	0,03	0,06	0,00	0,09	-0,03	-0,16	-0,03	0,11	-0,13	0,07	0,00	0,05	0,06	0,13
ESK / 46 (F)	0,68	-0,21	0,03	0,04	0,12	0,25	0,01	0,07	0,06	-0,10	-0,03	-0,01	-0,02	0,04	0,01	0,13	0,11	-0,08	-0,28	0,00	-0,06
ESK / 38 (V)	0,62	-0,04	-0,20	0,03	-0,01	-0,22	0,10	0,03	0,12	-0,09	0,14	0,01	-0,19	0,02	0,22	-0,06	-0,16	-0,03	0,05	0,13	-0,03
ESK / 30 (V)	0,62	0,29	-0,06	0,03	-0,17	-0,05	0,16	-0,05	-0,10	0,04	0,12	0,13	-0,04	0,13	0,12	-0,04	-0,17	-0,01	0,03	0,04	-0,22
ESK / 18 (F)	0,61	0,16	0,22	-0,04	0,22	-0,24	0,19	-0,15	0,05	-0,05	-0,02	0,24	-0,05	0,00	-0,06	0,02	-0,04	-0,04	0,02	0,01	0,09
ESK / 43 (SD)	0,61	-0,06	0,08	-0,06	0,26	-0,03	-0,04	0,11	-0,05	0,26	-0,08	0,01	0,04	-0,02	0,36	0,00	-0,07	-0,11	0,01	-0,17	-0,12
ESK / 19 (SD)	0,60	0,02	-0,17	-0,01	-0,18	0,22	0,15	0,22	0,09	0,17	0,03	0,12	-0,15	-0,07	-0,10	0,02	-0,21	-0,04	0,05	0,04	0,00
ESK / 45 (ST)	0,59	-0,29	0,32	0,06	0,00	0,07	-0,13	-0,02	-0,10	-0,02	0,12	-0,13	0,04	0,05	0,10	-0,10	0,08	-0,10	-0,08	0,09	0,12
ESK / 11 (ST)	0,57	-0,29	-0,22	-0,15	-0,08	-0,08	-0,14	-0,12	0,06	0,01	0,21	-0,08	-0,02	0,09	0,00	-0,18	-0,12	0,02	0,13	0,24	-0,06
ESK / 42 (SD)	0,56	0,05	0,04	-0,07	-0,22	0,26	-0,16	-0,11	0,07	0,21	-0,09	0,05	-0,05	-0,01	-0,05	0,13	-0,06	-0,09	-0,26	-0,08	0,21
ESK / 25 (V)	0,55	0,41	-0,15	0,11	-0,07	0,07	-0,05	-0,03	-0,08	0,16	0,07	-0,20	0,09	0,17	0,11	-0,13	0,10	-0,01	-0,01	-0,08	-0,03
ESK / 39 (V)	0,55	0,25	0,05	0,09	0,13	-0,34	0,18	-0,07	-0,04	-0,11	-0,31	0,06	-0,07	-0,06	-0,12	-0,08	0,10	-0,07	-0,07	0,00	0,12
ESK / 4 (ST)	0,55	-0,47	0,07	0,15	-0,03	0,07	-0,16	0,05	0,07	0,08	0,02	0,03	0,09	0,20	-0,06	-0,05	0,06	0,18	0,25	-0,06	0,05
ESK / 31 (F)	0,54	0,35	-0,16	0,13	-0,11	0,10	-0,07	-0,05	0,05	0,21	-0,03	0,19	0,01	-0,11	0,21	0,04	0,04	0,13	0,11	0,08	0,11

**Joint Factor Analysis of the Logo-Test and the Existence Scale – Principal Component Analysis (components over eigenvalue 1)**

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
ESK / 16 (V)	0,54	0,18	0,13	0,13	0,15	-0,26	-0,05	-0,09	0,00	-0,03	-0,35	0,06	0,07	-0,08	0,22	-0,18	0,07	0,09	-0,06	0,03	-0,08
ESK / 35 (ST)	0,53	0,13	-0,24	-0,04	-0,04	0,10	-0,08	0,12	-0,19	0,16	-0,11	0,28	0,18	0,08	-0,01	-0,06	0,00	-0,23	0,16	-0,04	-0,17
ESK / 26 (F)	0,51	-0,30	0,21	-0,09	-0,01	0,15	0,23	0,12	0,00	-0,10	0,09	0,13	-0,09	0,04	0,11	0,32	0,15	0,00	-0,15	0,02	-0,15
ESK / 40 (SD)	0,51	0,11	-0,13	0,06	0,46	-0,04	-0,05	0,08	-0,01	-0,14	0,25	0,10	-0,31	-0,03	-0,16	0,06	-0,08	0,03	-0,14	0,07	-0,04
Logo-Test II / 1	-0,50	0,13	-0,25	-0,26	0,28	0,05	0,00	-0,15	0,03	0,00	0,02	0,12	0,08	-0,08	0,23	0,03	-0,17	-0,01	-0,03	0,24	0,00
ESK / 17 (F)	0,49	0,18	0,12	-0,26	0,06	0,31	-0,03	0,23	0,20	0,20	-0,04	-0,11	-0,09	0,07	-0,13	0,06	0,01	-0,02	0,03	0,04	0,01
ESK / 28 (F)	0,49	-0,05	-0,09	-0,01	-0,15	0,29	0,09	0,23	0,03	-0,08	0,18	0,09	0,08	0,09	-0,03	-0,26	0,12	-0,06	0,07	-0,04	0,11
ESK / 14 (ST)	0,48	0,22	0,04	-0,22	-0,05	0,09	-0,08	-0,32	-0,04	0,22	-0,23	-0,07	0,04	-0,03	-0,10	0,24	-0,17	0,05	-0,08	-0,03	-0,04
ESK / 44 (SD)	0,48	0,08	0,37	0,02	0,18	-0,22	-0,23	-0,03	0,01	-0,15	0,07	0,13	-0,07	-0,12	0,00	0,16	0,04	-0,22	0,02	-0,23	0,24
ESK / 7 (V)	0,46	0,17	0,05	0,15	-0,10	0,00	0,02	0,00	-0,19	-0,26	0,09	-0,11	0,22	0,20	-0,11	0,00	-0,06	-0,13	0,01	-0,18	-0,34
Logo-Test III / 3 / SK	-0,45	0,32	-0,17	0,15	0,16	0,14	-0,15	0,25	-0,17	0,04	-0,08	-0,06	0,06	0,01	0,08	0,09	0,02	0,10	0,06	-0,02	-0,04
ESK / 21 (ST)	0,45	-0,22	0,09	-0,14	0,24	-0,07	0,19	0,07	0,05	-0,15	-0,01	-0,09	0,31	0,05	-0,06	0,22	0,08	0,02	0,22	-0,10	0,06
ESK / 37 (V)	0,44	0,23	0,01	0,42	-0,06	-0,05	0,17	-0,20	0,06	0,09	0,00	-0,25	-0,26	-0,05	0,08	-0,06	0,11	-0,01	-0,03	-0,08	0,11
ESK / 15 (F)	0,44	-0,12	-0,31	0,04	-0,11	0,21	0,36	-0,05	0,23	0,06	0,00	0,03	-0,08	0,01	0,03	0,20	0,18	0,22	-0,08	-0,19	0,01
Logo-Test II / 6	-0,43	0,20	0,09	-0,01	0,22	-0,06	0,02	0,13	0,40	0,15	-0,12	0,23	0,02	0,22	0,06	0,12	0,19	0,08	0,07	0,02	-0,26

**Joint Factor Analysis of the Logo-Test and the Existence Scale – Principal Component Analysis (components over eigenvalue 1)**

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
ESK / 8 (V)	0,42	0,31	0,14	-0,16	-0,01	0,24	0,26	-0,37	-0,08	-0,14	0,01	-0,18	0,07	0,14	-0,14	0,09	0,03	0,12	-0,06	0,09	0,15
ESK / 9 (F)	0,41	0,06	-0,23	-0,21	-0,09	0,25	-0,21	-0,14	0,01	-0,26	-0,19	0,18	0,24	0,30	0,00	-0,04	0,01	-0,15	-0,08	0,08	0,03
ESK / 1 (V)	0,41	0,16	-0,31	0,09	-0,13	-0,01	-0,21	0,20	0,01	-0,31	0,07	-0,11	-0,08	0,11	0,22	0,13	-0,10	-0,04	0,10	-0,20	0,05
ESK / 10 (F)	0,40	0,18	-0,13	0,00	-0,32	-0,22	-0,01	0,02	-0,06	0,17	0,13	-0,12	-0,01	-0,09	-0,04	0,08	-0,26	-0,26	0,14	0,19	0,14
ESK / 24 (F)	0,40	0,12	0,21	-0,23	-0,05	-0,21	-0,14	-0,01	0,19	0,04	0,18	-0,36	0,25	-0,20	-0,01	-0,18	0,01	0,00	-0,05	-0,07	-0,08
Logo-Test II / 2	-0,39	-0,08	-0,36	-0,10	0,18	-0,08	-0,01	-0,24	-0,02	0,18	0,08	0,14	0,02	0,11	-0,20	-0,08	0,13	0,01	-0,10	0,22	0,17
ESK / 2 (ST)	0,38	0,07	-0,30	-0,04	0,22	-0,32	0,20	0,00	0,20	0,14	0,11	-0,13	0,20	0,14	-0,03	0,08	-0,07	0,09	0,07	0,10	-0,12
Logo-Test II / 3	-0,37	-0,17	-0,04	-0,14	-0,12	-0,23	-0,16	0,12	0,09	0,28	0,28	0,01	0,02	-0,01	-0,01	0,35	0,11	-0,19	-0,01	-0,11	0,06
ESK / 5 (SD)	0,35	-0,03	-0,30	-0,23	0,34	0,11	0,07	0,23	-0,23	0,16	-0,03	-0,13	0,05	0,22	-0,15	-0,08	-0,03	0,05	-0,10	-0,12	0,14
ESK / 34 (ST)	0,49	-0,54	0,09	0,18	-0,11	-0,05	-0,06	0,06	0,03	-0,02	-0,16	0,01	0,03	-0,02	-0,16	-0,06	0,02	0,09	0,21	0,16	0,06
ESK / 12 (ST)	0,40	0,13	0,48	-0,05	0,14	-0,27	0,12	0,00	0,00	-0,01	-0,13	0,32	0,08	0,19	0,02	-0,01	-0,13	0,11	-0,08	-0,03	0,12
Logo-Test I / 2	-0,25	0,09	0,48	0,29	0,17	0,11	0,23	0,15	-0,07	0,45	0,06	0,05	0,13	0,01	0,00	-0,03	-0,15	0,01	0,06	-0,11	-0,06
Logo-Test III / 2 / glückl.	0,07	0,27	0,38	-0,19	0,11	0,22	-0,33	0,01	0,12	-0,14	-0,03	0,03	-0,22	-0,01	0,06	0,14	0,02	-0,29	0,29	0,23	-0,03
Logo-Test III / 2 / leidet	-0,09	0,21	0,37	-0,18	-0,12	0,06	-0,06	0,17	0,28	-0,28	0,12	-0,03	-0,04	-0,08	0,19	-0,07	0,09	0,30	-0,04	0,20	-0,20
ESK / 6 (V)	0,36	0,27	-0,36	0,23	-0,17	-0,24	0,02	0,12	0,06	-0,12	-0,02	0,08	-0,18	-0,05	0,03	-0,05	0,00	0,26	0,11	-0,18	0,04

**Joint Factor Analysis of the Logo-Test and the Existence Scale – Principal Component Analysis (components over eigenvalue 1)**

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
ESK / 36 (ST)	0,27	0,11	-0,20	-0,54	-0,08	0,13	0,11	-0,19	-0,04	-0,12	-0,16	-0,19	0,09	-0,10	0,11	0,11	0,17	0,07	0,12	0,14	-0,06
Logo-Test I / 6	-0,16	0,23	0,19	0,50	0,10	0,24	0,08	0,04	0,07	-0,08	0,03	-0,19	0,02	0,00	-0,18	0,07	-0,14	-0,16	-0,07	0,17	-0,14
Logo-Test I / 1	0,12	0,31	0,26	-0,45	-0,22	-0,03	-0,01	0,31	-0,11	0,08	0,03	0,11	0,05	-0,06	-0,07	-0,22	0,23	-0,08	-0,12	0,01	-0,02
ESK / 32 (SD)	0,27	0,10	-0,15	0,01	0,58	0,05	-0,19	0,25	-0,07	0,08	0,24	0,02	-0,14	-0,08	-0,16	-0,11	0,04	0,12	-0,15	0,17	-0,01
ESK / 3 (SD)	0,35	0,22	-0,11	0,11	0,43	0,25	-0,18	-0,01	0,19	-0,10	0,11	-0,19	0,07	-0,01	-0,10	-0,17	-0,05	0,03	-0,06	-0,12	0,00
ESK / 22 (V)	0,30	0,27	-0,11	0,32	-0,34	-0,12	-0,26	0,10	-0,02	-0,14	0,08	0,26	0,10	-0,04	-0,10	0,11	0,03	0,10	-0,24	0,16	0,09
Logo-Test I / 4	-0,28	0,18	0,10	0,38	-0,05	0,43	-0,06	0,08	0,02	-0,21	-0,07	0,00	0,05	-0,03	-0,11	0,23	-0,18	0,15	0,16	0,00	0,08
Logo-Test I / 8	-0,25	0,04	0,01	0,30	0,07	0,18	0,45	0,00	0,23	-0,15	0,03	-0,12	0,20	0,04	0,19	-0,17	0,02	-0,26	-0,08	0,12	0,23
Logo-Test I / 7	0,06	0,13	-0,10	0,15	0,10	0,04	0,40	-0,15	-0,01	-0,07	0,27	0,27	0,09	-0,16	-0,18	-0,04	0,29	-0,29	0,32	0,03	-0,09
Logo-Test III / 3 / EB	-0,23	-0,07	-0,15	0,30	0,02	-0,07	0,10	0,38	-0,06	-0,03	-0,04	0,03	0,29	0,05	0,32	0,15	0,01	-0,06	-0,15	0,26	0,25
ESK / 41 (ST)	0,15	-0,11	0,15	0,10	-0,05	0,37	0,03	-0,38	0,12	0,31	0,28	0,22	0,08	-0,10	0,24	-0,07	-0,18	0,08	-0,10	0,03	-0,08
ESK / 29 (V)	0,31	-0,03	-0,14	-0,07	-0,26	0,06	0,27	0,35	0,01	0,06	-0,28	0,04	-0,15	-0,33	-0,22	-0,04	0,08	-0,12	-0,17	0,13	-0,19
Logo-Test II / 7	-0,35	0,24	-0,18	-0,27	0,00	-0,01	0,04	-0,04	0,49	-0,08	0,18	0,18	-0,13	0,18	-0,03	0,04	0,00	-0,07	0,06	-0,18	0,18
Logo-Test I / 5	-0,14	0,06	0,08	-0,19	0,01	0,32	0,02	0,03	-0,41	-0,13	0,12	0,38	0,05	-0,10	0,03	-0,20	-0,05	0,22	0,16	-0,09	0,16
Logo-Test II / 4	-0,19	-0,08	-0,20	0,31	-0,05	0,15	-0,35	-0,14	0,38	0,14	-0,18	0,10	0,02	0,04	0,03	-0,25	0,30	-0,15	-0,08	-0,10	-0,06

**Joint Factor Analysis of the Logo-Test and the Existence Scale – Principal Component Analysis (components over eigenvalue 1)**

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Logo-Test I / 3	-0,31	0,30	0,24	-0,23	-0,28	-0,04	0,13	0,26	0,33	0,11	0,05	-0,11	0,11	0,01	-0,15	-0,17	-0,13	0,15	0,07	-0,05	0,22
ESK / 23 (F)	0,29	0,18	-0,03	0,11	-0,07	-0,03	-0,13	-0,14	-0,17	0,03	0,42	-0,02	0,28	-0,36	0,01	0,18	0,34	0,13	-0,05	-0,05	-0,01
ESK / 20 (V)	0,37	0,15	0,06	0,16	-0,02	-0,19	-0,20	0,05	0,20	0,08	-0,01	0,11	0,46	0,03	-0,21	0,13	-0,02	0,09	-0,02	0,19	0,01
Logo-Test II / 5	-0,21	0,23	0,22	0,30	-0,18	-0,08	-0,09	-0,20	-0,18	0,17	0,06	-0,03	-0,27	0,39	-0,18	-0,01	0,20	0,07	0,11	0,14	-0,06
Logo-Test I / 9	-0,18	0,28	0,10	-0,09	-0,06	-0,02	0,08	0,16	-0,28	0,18	0,09	-0,17	-0,17	0,35	0,24	0,11	0,31	0,01	0,02	0,17	0,12
ESK / 33 (ST)	0,32	0,11	-0,14	0,08	0,29	0,16	-0,09	0,02	0,01	0,18	-0,31	-0,15	-0,01	-0,31	0,03	0,07	0,16	0,04	0,34	0,08	0,16



<b>Joint Factor Analysis of the Logo-Test and the Existence Scale Principal Component Analysis (with two components)</b>		
	<b>1</b>	<b>2</b>
ESK / 13 (ST)	0,70	-0,41
ESK / 27 (ST)	0,69	-0,19
ESK / 46 (F)	0,68	-0,21
ESK / 38 (V)	0,62	-0,04
ESK / 30 (V)	0,62	0,29
ESK / 18 (F)	0,61	0,16
ESK / 43 (SD)	0,61	-0,06
ESK / 19 (SD)	0,60	0,02
ESK / 45 (ST)	0,59	-0,29
ESK / 11 (ST)	0,57	-0,29
ESK / 42 (SD)	0,56	0,05
ESK / 25 (V)	0,55	0,41
ESK / 39 (V)	0,55	0,25
ESK / 4 (ST)	0,55	-0,47
ESK / 31 (F)	0,54	0,35
ESK / 16 (V)	0,54	0,18
ESK / 35 (ST)	0,53	0,13
ESK / 26 (F)	0,51	-0,30
ESK / 40 (SD)	0,51	0,11
Logo-Test II / 1	-0,50	0,13
ESK / 17 (F)	0,49	0,18
ESK / 28 (F)	0,49	-0,05
ESK / 14 (ST)	0,48	0,22
ESK / 44 (SD)	0,48	0,08
ESK / 7 (V)	0,46	0,17
Logo-Test III / 3 / SK	-0,45	0,32
ESK / 21 (ST)	0,45	-0,22
ESK / 37 (V)	0,44	0,23
ESK / 15 (F)	0,44	-0,12
Logo-Test II / 6	-0,43	0,20
ESK / 8 (V)	0,42	0,31
ESK / 9 (F)	0,41	0,06
ESK / 1 (V)	0,41	0,16
ESK / 10 (F)	0,40	0,18
ESK / 24 (F)	0,40	0,12
ESK / 12 (ST)	0,40	0,13

<b>Joint Factor Analysis of the Logo-Test and the Existence Scale Principal Component Analysis (with two components)</b>		
	<b>1</b>	<b>2</b>
Logo-Test II / 2	-0,39	-0,08
ESK / 2 (ST)	0,38	0,07
Logo-Test II / 3	-0,37	-0,17
ESK / 20 (V)	0,37	0,15
ESK / 6 (V)	0,36	0,27
ESK / 5 (SD)	0,35	-0,03
ESK / 3 (SD)	0,35	0,22
Logo-Test II / 7	-0,35	0,24
ESK / 33 (ST)	0,32	0,11
Logo-Test I / 3	-0,31	0,30
ESK / 29 (V)	0,31	-0,03
ESK / 22 (V)	0,30	0,27
ESK / 23 (F)	0,29	0,18
Logo-Test I / 4	-0,28	0,18
ESK / 36 (ST)	0,27	0,11
ESK / 32 (SD)	0,27	0,10
Logo-Test I / 8	-0,25	0,04
Logo-Test I / 2	-0,25	0,09
Logo-Test III / 3 / EB	-0,23	-0,07
Logo-Test II / 4	-0,19	-0,08
ESK / 41 (ST)	0,15	-0,11
Logo-Test I / 5	-0,14	0,06
ESK / 34 (ST)	0,49	-0,54
Logo-Test I / 1	0,12	0,31
Logo-Test I / 9	-0,18	0,28
Logo-Test III / 2 / glücl.	0,07	0,27
Logo-Test II / 5	-0,21	0,23
Logo-Test I / 6	-0,16	0,23
Logo-Test III / 2 / leidet	-0,09	0,21
Logo-Test I / 7	0,06	0,13

## 8. Age, Gender, Socioeconomical Status, and Meaning in Life

Pearson-correlation <sup>5</sup>						
Total sample		ESK SD	ESK ST	ESK F	ESK R	ESK Total
Age	r	0,12	0,17	0,08	0,17	0,16
	Sign. <sup>6</sup>	0,133	0,027	0,292	0,032	0,041
	N	170	170	170	170	170

Pearson-correlation					
Total sample		Logo-Test Part I.	Logo-Test Part II.	Logo-Test Part III.	Logo-Test Total
Age	r	-0,05	-0,05	-0,04	-0,07
	Sign.	0,501	0,538	0,644	0,392
	N	170	170	170	170

Independent sample t-test							
Total sample	Gender	N	Mean	Std. Deviation	Mean Difference	Sign.	Cohen's d <sup>7</sup>
ESK SD	males	69	32,97	6,23	-3,00	0,004	0,46
	females	102	35,98	6,90			
ESK ST	males	69	69,57	8,96	-2,68	0,049	0,31
	females	102	72,24	8,43			
ESK F	males	69	47,44	8,73	-2,45	<u>0,064</u>	<u>0,29</u>
	females	102	49,89	8,20			
ESK R	males	69	52,91	10,66	-2,75	<u>0,091</u>	<u>0,27</u>

<sup>5</sup> Significant relations are marked with grey background and tendencies (significances between 0.05 and 0.1) with underlining.

<sup>6</sup> Sign. = two-tailed significance.

<sup>7</sup> To express effect size Cohen's d was computed as:

$$d = \frac{\bar{x}_1 - \bar{x}_2}{\sqrt{(n_1 - 1)s_1^2 + (n_2 - 1)s_2^2}} \cdot \frac{1}{n_1 + n_2}$$

negligible effect ( $\geq -0.15$  and  $< 0.15$ )  
small effect ( $\geq 0.15$  and  $< 0.40$ )  
medium effect ( $\geq 0.40$  and  $< 0.75$ )  
large effect ( $\geq 0.75$  and  $< 1.10$ )  
very large effect ( $\geq 1.10$  and  $< 1.45$ )  
huge effect  $> 1.45$

From: [http://davidmlane.com/hyperstat/effect\\_size.html](http://davidmlane.com/hyperstat/effect_size.html)

Independent sample t-test							
Total sample	Gender	N	Mean	Std. Deviation	Mean Difference	Sign.	Cohen's d <sup>7</sup>
	females	102	55,67	10,22			
ESK Total	males	69	202,89	29,68	-10,88	0,018	0,37
	females	102	213,77	29,13			
Logo-Test Part I.	males	69	3,67	2,69	0,06	0,877	0,02
	females	102	3,61	2,25			
Logo-Test Part II.	males	69	5,10	2,17	0,06	0,85	0,03
	females	102	5,04	2,05			
Logo-Test Part III.	males	69	4,09	1,43	0,03	0,85	0,02
	females	102	4,06	1,21			
Logo-Test Total	males	69	12,86	4,44	0,15	0,817	0,04
	females	102	12,71	3,91			

Kendall's tau-b (nonparametric correlation) <sup>8</sup>												
Total sample	Education			Working status			Financial state			SES <sup>9</sup>		
	$\tau$	Sign.	N	$\tau$	Sign.	N	$\tau$	Sign.	N	$\tau$	Sign.	N
ESK SD	0,085	0,176	170	0,179	0,004	170	0,057	0,341	157	0,127	0,026	155
<u>ESK ST</u>	0,179	0,004	170	0,083	0,178	170	0,035	0,554	157	<u>0,098</u>	<u>0,085</u>	155
<u>ESK F</u>	<u>0,115</u>	<u>0,066</u>	170	0,048	0,434	170	0,005	0,927	157	0,055	0,332	155
ESK R	0,075	0,227	170	0,158	0,01	170	0,061	0,299	157	0,132	0,02	155
ESK Total	0,121	0,049	170	0,13	0,032	170	0,046	0,430	157	0,114	0,043	155
<u>Logo-Test Part I.</u>	<u>-0,109</u>	<u>0,094</u>	170	<u>-0,113</u>	<u>0,079</u>	170	-0,037	0,549	157	-0,091	0,124	155
Logo-Test Part II.	-0,08	0,221	170	-0,093	0,151	170	-0,024	0,703	157	-0,092	0,124	155
<u>Logo-Test Part III.</u>	<u>-0,123</u>	<u>0,071</u>	170	<u>-0,124</u>	<u>0,065</u>	170	-0,027	0,674	157	-0,162	0,009	155
Logo-Test Total	-0,128	0,043	170	-0,152	0,016	170	-0,04	0,510	157	-0,139	0,017	155

<sup>8</sup> Kendall's tau-b was used because of the ordinal type of these scales (see details in the first chapter)

<sup>9</sup> SES = socioeconomical status (corrected sum of the scores of education, working status, and financial state)

## 9. Meaning in Life and Tobacco Use

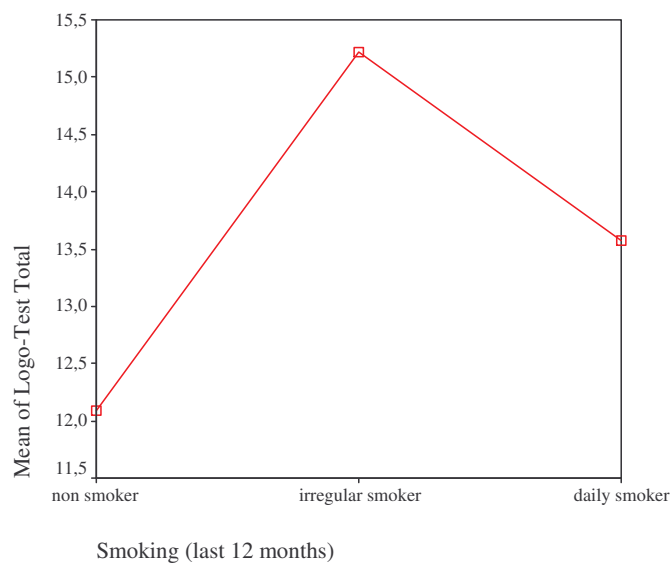
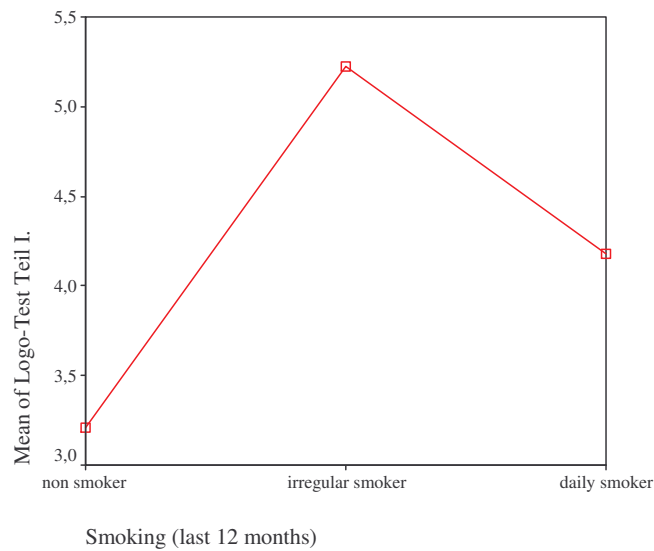
Pearson-correlation						
	Age at the first tobacco use Males			Age at the first tobacco use Females		
	r	Sign.	N	r	Sign.	N
ESK / SD	-0,03	0,910	22	-0,09	0,628	35
ESK / ST	-0,08	0,731	22	0,05	0,766	35
ESK / F	-0,06	0,799	22	-0,11	0,536	35
ESK / R	0,06	0,779	22	0,06	0,742	35
ESK Total	-0,02	0,924	22	-0,01	0,954	35
Logo-Test Part I.	0,17	0,462	22	0,12	0,488	35
Logo-Test Part II.	0,28	0,215	22	-0,15	0,386	35
Logo-Test Part III.	-0,02	0,917	22	0,21	0,222	35
Logo-Test Total	0,20	0,364	22	0,05	0,781	35

Kendall's tau-b (nonparametric correlation) <sup>10</sup>			
Total sample	Intensity of smoking		
	$\tau$	Sign.	N
ESK SD	-0,101	0,094	168
ESK ST	-0,069	0,253	168
ESK F	-0,037	0,535	168
ESK R	-0,065	0,282	168
ESK Total	-0,069	0,246	168
Logo-Test Part I.	0,163	0,009	168
Logo-Test Part II.	0,04	0,522	168
Logo-Test Part III.	0,108	0,100	168
Logo-Test Total	0,144	0,019	168

<sup>10</sup> Kendall's tau-b was used because of the ordinal type of the original 6-point scale: not at all; maximum 1-2 cigarettes a week; 0-5 cigarettes per day; 5-10; 10-20; more than 20 cigarettes a day.

Oneway ANOVA						
Intensity of smoking						
Total sample (N = 166)		N	Mean	Std. Deviation	95% Confidence Interval for Mean	
					Lower Bound	Upper Bound
ESK / SD	non smoker	108	35,4	6,6	34,1	36,7
	irregular smoker	18	33,0	8,2	28,9	37,1
	daily smoker	40	33,7	6,5	31,6	35,7
ESK / ST	non smoker	108	72,0	7,6	70,5	73,4
	irregular smoker	18	67,8	12,9	61,4	74,2
	daily smoker	40	70,3	9,4	67,3	73,3
ESK / F	non smoker	108	49,4	7,9	47,9	50,9
	irregular smoker	18	47,9	12,2	41,9	54,0
	daily smoker	40	48,2	8,2	45,6	50,9
ESK / V	non smoker	108	55,3	9,4	53,5	57,1
	irregular smoker	18	51,3	14,8	43,9	58,6
	daily smoker	40	53,5	10,8	50,0	56,9
ESK Total	non smoker	108	212,1	26,5	207,0	217,1
	irregular smoker	18	200,0	44,6	177,8	222,2
	daily smoker	40	205,7	30,5	195,9	215,4
Logo-Test Part I.	non smoker	108	3,2	2,1	2,8	3,6
	irregular smoker	18	5,2	2,7	3,9	6,6
	daily smoker	40	4,2	2,8	3,3	5,1
Logo-Test Part II.	non smoker	108	4,9	1,9	4,6	5,3
	irregular smoker	18	5,9	2,8	4,5	7,4
	daily smoker	40	5,0	2,2	4,3	5,7
Logo-Test Part III.	non smoker	108	4,0	1,2	3,7	4,2
	irregular smoker	18	4,1	1,3	3,4	4,7
	daily smoker	40	4,4	1,6	3,9	4,9
Logo-Test Total	non smoker	108	12,1	3,4	11,4	12,7
	irregular smoker	18	15,2	5,3	12,6	17,9
	daily smoker	40	13,6	4,9	12,0	15,1

Oneway ANOVA				
Intensity of smoking				
	df	Mean Square	F	Sign.
ESK / SD	2	73,3	1,594	0,206
ESK / ST	2	155,3	2,029	0,135
ESK / F	2	28,9	0,396	0,673
ESK / V	2	150,8	1,378	0,255
ESK Total	2	1458,1	1,638	0,198
Logo-Test Part I.	2	38,1	7,042	0,001
Logo-Test Part II.	2	8,2	1,866	0,158
Logo-Test Part III.	2	2,8	1,624	0,200
Logo-Test Total	2	91,8	5,636	0,004



## 10. Meaning in Life and Drinking Behavior

Kendall's tau-b (nonparametric correlation) <sup>11</sup>			
Total sample	Frequency of alcohol consumption in the last 12 months		
	$\tau$	Sign.	N
ESK SD	-0,01	0,869	168
ESK ST	0,031	0,588	168
ESK F	0,035	0,544	168
ESK R	0,03	0,606	168
ESK Total	0,03	0,599	168
Logo-Test Part I.	0,124	0,039	168
Logo-Test Part II.	0,016	0,784	168
Logo-Test Part III.	0,036	0,566	168
Logo-Test Total	0,120	0,042	168

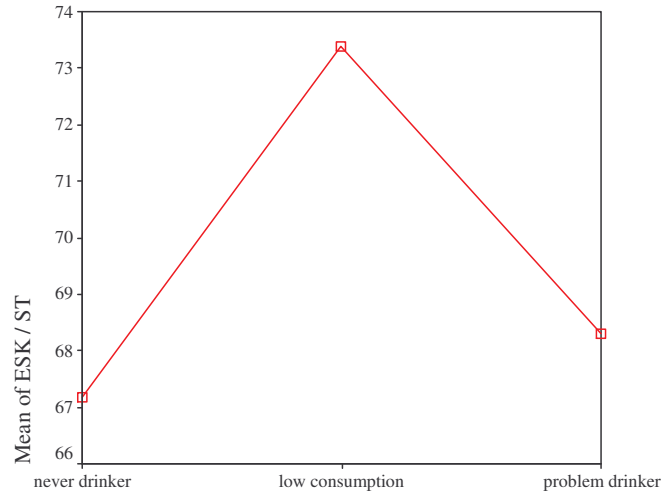
Oneway ANOVA						
Intensity of alcohol consumption						
Total sample (N = 156)		N	Mean	Std. Deviation	95% Confidence Interval for Mean	
					Lower Bound	Upper Bound
ESK / SD	abstinent	30	33,4	7,8	30,5	36,3
	low consumption	94	35,7	6,3	34,4	37,0
	problem drinker	32	33,3	7,0	30,8	35,9
ESK / ST	abstinent	30	67,2	9,8	63,5	70,8
	low consumption	94	73,4	6,5	72,0	74,7
	problem drinker	32	68,3	11,3	64,2	72,4
ESK / F	abstinent	30	47,8	8,9	44,5	51,1
	low consumption	94	49,4	7,7	47,8	50,9
	problem drinker	32	48,8	10,4	45,0	52,5
ESK / V	abstinent	30	52,6	10,7	48,6	56,6
	low consumption	94	55,4	10,5	53,3	57,6
	problem drinker	32	54,0	10,9	50,0	57,9

<sup>11</sup> Kendall's tau-b was used because of the ordinal type of the original 5-point scale: (practically) never; maximum 1-2 times a month, moderately; maximum 1-2 times a week, moderately; maximum 1-2 times a month but not few; minimum 1-2 times a week and not few.

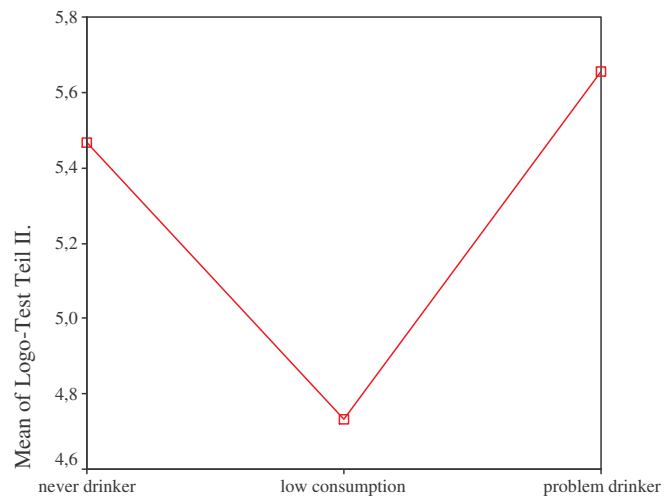


Oneway ANOVA						
Intensity of alcohol consumption						
Total sample (N = 156)		N	Mean	Std. Deviation	95% Confidence Interval for Mean	
					Lower Bound	Upper Bound
ESK Total	abstinent	30	201,0	31,1	189,4	212,6
	low consumption	94	213,9	26,7	208,4	219,3
	problem drinker	32	204,4	35,5	191,6	217,2
Logo-Test Part I.	abstinent	30	3,5	2,3	2,6	4,4
	low consumption	94	3,3	2,2	2,9	3,7
	problem drinker	32	4,3	2,7	3,3	5,3
Logo-Test Part II.	abstinent	30	5,5	2,2	4,6	6,3
	low consumption	94	4,7	1,9	4,4	5,1
	problem drinker	32	5,7	2,5	4,7	6,6
Logo-Test Part III.	abstinent	30	4,1	1,1	3,7	4,5
	low consumption	94	4,0	1,1	3,7	4,2
	problem drinker	32	4,3	1,5	3,8	4,9
Logo-Test Total	abstinent	30	13,1	4,0	11,6	14,6
	low consumption	94	12,0	3,6	11,3	12,7
	problem drinker	32	14,3	4,9	12,5	16,0

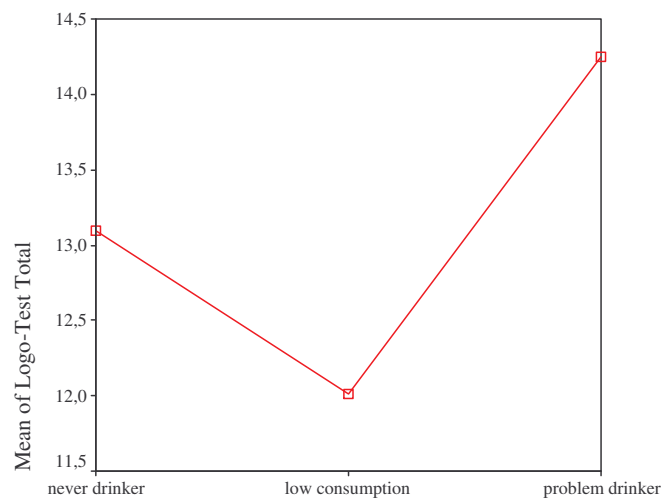
Oneway ANOVA				
Intensity of alcohol consumption				
	df	Mean Square	F	Sign.
ESK / SD	2	104,6	2,304	0,103
ESK / ST	2	598,1	8,546	0,001
ESK / F	2	27,8	0,382	0,683
ESK / V	2	97,1	0,866	0,423
<u>ESK Total</u>	2	2401,8	<u>2,754</u>	<u>0,067</u>
Logo-Test Part I.	2	11,6	2,155	0,119
Logo-Test Part II.	2	13,2	3,028	0,051
Logo-Test Part III.	2	1,4	0,939	0,393
Logo-Test Total	2	63,1	4,06	0,019



Alcohol consumption (last 12 months)



Alcohol consumption (last 12 months)



Alcohol consumption (last 12 months)

## 11. Meaning in Life and Life-time Drug Proving

Independent sample t-test							
Females		N	Mean	Std. Deviation	Mean Difference	Sign.	Cohen's d
ESK / SD	yes	40	35,24	7,41	-1,21	0,388	0,18
	no	62	36,45	6,56			
ESK / ST	yes	40	71,94	9,69	-0,50	0,772	0,06
	no	62	72,44	7,58			
ESK / F	yes	40	50,26	8,78	0,61	0,716	0,07
	no	62	49,65	7,86			
ESK / R	yes	40	54,54	10,84	-1,86	0,373	0,18
	no	62	56,40	9,82			
ESK Total	yes	40	211,98	32,97	-2,96	0,619	0,10
	no	62	214,94	26,58			
Logo-Test Part I.	yes	40	4,30	2,57	1,14	0,019	0,52
	no	62	3,16	1,91			
Logo-Test Part II.	yes	40	5,55	2,14	0,84	0,043	0,42
	no	62	4,71	1,95			
Logo-Test Part III.	yes	40	4,05	1,36	-0,01	0,953	0,01
	no	62	4,06	1,11			
Logo-Test Total	yes	40	13,90	4,56	1,96	0,013	0,52
	no	62	11,94	3,24			

Independent sample t-test							
Males		N	Mean	Std. Deviation	Mean Difference	Sign.	Cohen's d
ESK / SD	yes	26	32,63	5,59	-0,45	0,776	0,07
	no	42	33,08	6,69			
ESK / ST	yes	26	70,04	9,00	0,97	0,669	0,11
	no	42	69,07	9,04			
ESK / F	yes	26	47,69	9,20	0,70	0,747	0,08
	no	42	46,99	8,41			
ESK / R	yes	26	52,19	11,61	-0,76	0,775	0,07
	no	42	52,95	9,93			

Independent sample t-test							
Males		N	Mean	Std. Deviation	Mean Difference	Sign.	Cohen's d
ESK Total	yes	26	202,56	31,11	0,46	0,950	0,02
	no	42	202,10	28,75			
Logo-Test Part I.	yes	26	3,85	3,08	0,27	0,687	0,10
	no	42	3,57	2,48			
Logo-Test Part II.	yes	26	4,73	1,97	-0,67	0,212	0,32
	no	42	5,40	2,24			
Logo-Test Part III.	yes	26	4,19	1,74	0,19	0,596	0,13
	no	42	4,00	1,23			
Logo-Test Total	yes	26	12,77	4,97	-0,21	0,854	0,05
	no	42	12,98	4,18			

Independent sample t-test							
Total sample		N	Mean	Std. Deviation	Mean Difference	Sign.	Cohen's d
ESK SD	yes	66	34,21	6,83	-0,88	0,413	0,13
	no	104	35,09	6,79			
ESK ST	yes	66	71,19	9,40	0,11	0,935	0,01
	no	104	71,08	8,33			
ESK F	yes	66	49,25	8,97	0,67	0,615	0,08
	no	104	48,58	8,15			
ESK R	yes	66	53,61	11,13	-1,39	0,398	0,13
	no	104	55,00	9,97			
ESK Total	yes	66	208,27	32,34	-1,48	0,752	0,05
	no	104	209,75	28,06			
Logo-Test Part I.	yes	66	4,12	2,77	0,79	0,050	0,33
	no	104	3,33	2,16			
Logo-Test Part II.	yes	66	5,23	2,10	0,24	0,473	0,12
	no	104	4,99	2,09			
Logo-Test Part III.	yes	66	4,11	1,51	0,06	0,757	0,05
	no	104	4,04	1,16			
Logo-Test Total	yes	66	13,45	4,72	1,10	0,091	0,27
	no	104	12,36	3,66			

## 12. Meaning in Life and Drug Use

Pearson-correlation						
	Age at the first drug use Females			Age at the first drug use Males		
	r	Sign.	N	r	Sign.	N
ESK / SD	0,09	0,590	40	-0,21	0,301	26
ESK / ST	0,02	0,903	40	-0,19	0,353	26
ESK / F	0,03	0,873	40	-0,07	0,734	26
ESK / R	0,05	0,758	40	-0,20	0,328	26
ESK Total	0,05	0,764	40	-0,19	0,357	26
Logo-Test Part I.	0,11	0,484	40	-0,21	0,301	26
Logo-Test Part II.	0,04	0,827	40	0,19	0,359	26
Logo-Test Part III.	-0,11	0,519	40	-0,10	0,644	26
Logo-Test Total	0,05	0,761	40	-0,09	0,663	26

Kendall's tau-b (nonparametric correlation) <sup>12</sup>			
Total sample	Intensity of drug use in the last 12 months		
	$\tau$	Sign.	N
ESK SD	-0,13	0,039	171
ESK ST	-0,154	0,014	171
ESK F	-0,013	0,830	171
ESK R	-0,095	0,130	171
ESK Total	-0,100	0,105	171
Logo-Test Part I.	0,178	0,007	171
Logo-Test Part II.	0,141	0,032	171
Logo-Test Part III.	0,049	0,476	171
Logo-Test Total	0,188	0,003	171

<sup>12</sup> Kendall's tau-b was used because of the ordinal type of the original 4-point scale: not at all; maximum 3-4 times; maximum 3-4 times a month; maximum 3-4 times a week; (almost) every day.

Independent sample t-test							
Drug use in the last 12 months							
Total sample		N	Mean	Std. Deviation	Mean Difference	Sign.	Cohen's d
ESK SD	did not use drugs in the last 12 months	147	35,2	6,5	4,0	0,008	0,61
	used drugs in the last 12 months	23	31,2	7,5			
ESK ST	did not use drugs in the last 12 months	147	71,9	8,1	6,1	0,013	0,73
	used drugs in the last 12 months	23	65,8	10,5			
ESK F	did not use drugs in the last 12 months	147	49,1	8,1	1,7	0,478	0,20
	used drugs in the last 12 months	23	47,4	10,7			
ESK R	did not use drugs in the last 12 months	147	55,3	9,8	5,5	0,020	0,54
	used drugs in the last 12 months	23	49,8	13,3			
ESK Total	did not use drugs in the last 12 months	147	211,5	27,5	17,3	0,051	0,59
	used drugs in the last 12 months	23	194,3	39,0			
Logo-Test Part I.	did not use drugs in the last 12 months	147	3,4	2,3	-1,7	0,002	0,71
	used drugs in the last 12 months	23	5,1	3,0			
Logo-Test Part II.	did not use drugs in the last 12 months	147	4,9	2,0	-1,0	0,034	0,49
	used drugs in the last 12 months	23	5,9	2,3			
Logo-Test Part III.	did not use drugs in the last 12 months	147	4,0	1,2	-0,5	0,27	0,38
	used drugs in the last 12 months	23	4,5	2,0			
Logo-Test Total	did not use drugs in the last 12 months	147	12,3	3,7	-3,2	0,014	0,81
	used drugs in the last 12 months	23	15,5	5,5			

### 13. Meaning in Life and Promiscuity

Pearson-correlation									
Females	Number of sexual partners in the last 12 months			Number of partners in the whole life			Number of cases, when the person had more partners at the same time		
	r	Sign.	N	r	Sign.	N	r	Sign.	N
ESK / SD	0,05	0,632	94	0,02	0,839	91	-0,08	0,44	93
ESK / ST	-0,05	0,669	94	-0,06	0,551	91	-0,15	0,154	93
ESK / F	0,13	0,229	94	0,07	0,5	91	-0,13	0,203	93
ESK / R	0,03	0,746	94	0,05	0,621	91	-0,15	0,164	93
ESK Total	0,05	0,667	94	0,03	0,816	91	-0,15	0,149	93
Logo-Test Part I.	0,05	0,613	94	0,06	0,568	91	0,20	0,050	93
Logo-Test Part II.	0,10	0,319	94	0,11	0,322	91	0,19	0,062	93
Logo-Test Part III.	0,07	0,493	94	0,15	0,154	91	0,10	0,36	93
Logo-Test Total	0,11	0,314	94	0,13	0,208	91	0,24	0,018	93

Pearson-correlation									
Males	Number of sexual partners in the last 12 months			Number of partners in the whole life			Number of cases, when the person had more partners at the same time		
	r	Sign.	N	r	Sign.	N	r	Sign.	N
ESK / SD	0,13	0,303	66	-0,11	0,400	64	-0,03	0,821	63
ESK / ST	0,17	0,184	66	0,06	0,641	64	0,19	0,142	63
ESK / F	0,25*	0,046	66	0,17	0,193	64	0,21	0,097	63
ESK / R	0,25*	0,046	66	0,13	0,300	64	0,09	0,462	63
ESK Total	0,24*	0,057	66	0,09	0,482	64	0,14	0,260	63
Logo-Test Part I.	-0,03	0,829	66	-0,10	0,455	64	0,06	0,621	63
Logo-Test Part II.	-0,23*	0,062	66	-0,06	0,651	64	-0,07	0,599	63

\* The sign of this correlation is inconsistent with our expectations!

Pearson-correlation									
Males	Number of sexual partners in the last 12 months			Number of partners in the whole life			Number of cases, when the person had more partners at the same time		
	r	Sign.	N	r	Sign.	N	r	Sign.	N
Logo-Test Part III.	-0,06	0,634	66	0,07	0,611	64	-0,18	0,166	63
Logo-Test Total	-0,15	0,240	66	-0,06	0,615	64	-0,05	0,691	63

Pearson-correlation									
Total sample	Number of partners in the last 12 months			Number of partners in the whole life			Number of cases, when the person had more partners at the same time		
	r	Sign.	N	r	Sign.	N	r	Sign.	N
ESK SD	0,07	0,363	160	-0,05	0,544	155	-0,05	0,54	156
ESK ST	0,01	0,885	160	0,00	0,969	155	0,01	0,913	156
<u>ESK F</u>	<u>0,15*</u>	<u>0,064</u>	160	0,11	0,161	155	0,03	0,691	156
ESK R	0,08	0,307	160	0,09	0,28	155	-0,03	0,681	156
ESK Total	0,09	0,26	160	0,05	0,532	155	-0,01	0,894	156
<u>Logo-Test Part I.</u>	0,03	0,713	160	-0,03	0,733	155	<u>0,14</u>	<u>0,086</u>	156
Logo-Test Part II.	0,02	0,785	160	0,02	0,834	155	0,07	0,364	156
Logo-Test Part III.	0,03	0,673	160	0,10	0,212	155	-0,03	0,685	156
Logo-Test Total	0,04	0,628	160	0,02	0,772	155	0,11	0,187	156

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\* The sign of this correlation is inconsistent with our expectations!



## 14. Meaning in Life and Aversion From Sexual Intercourse Without Emotional Involvement<sup>13</sup>

Independent sample t-test							
Females		N	Mean	Std. Deviation	Mean Difference	Sign.	Cohen's d
ESK / SD	yes	76	36,20	6,63	0,95	0,551	0,14
	no	24	35,25	7,38			
ESK / ST	yes	76	73,41	7,52	4,58	0,021	0,56
	no	24	68,83	10,47			
ESK / F	yes	76	50,59	7,45	2,15	0,252	0,27
	no	24	48,44	9,41			
ESK / R	yes	76	56,47	10,05	2,86	0,237	0,28
	no	24	53,60	10,96			
ESK Total	yes	76	216,67	27,27	10,55	0,122	0,37
	no	24	206,13	33,71			
Logo-Test Part I.	yes	76	3,45	2,22	-0,76	0,153	0,34
	no	24	4,21	2,38			
<u>Logo-Test Part II.</u>	yes	76	4,78	1,87	-0,81	<u>0,087</u>	<u>0,41</u>
	no	24	5,58	2,34			
Logo-Test Part III.	yes	76	4,03	1,17	-0,14	0,626	0,12
	no	24	4,17	1,40			
<u>Logo-Test Total</u>	yes	76	12,25	3,78	-1,71	<u>0,064</u>	<u>0,44</u>
	no	24	13,96	4,23			

Independent sample t-test							
Males		N	Mean	Std. Deviation	Mean Difference	Sign.	Cohen's d
ESK / SD	yes	28	34,52	6,08	2,59	0,109	0,42
	no	36	31,93	6,48			
ESK / ST	yes	28	71,27	6,73	2,70	0,219	0,30
	no	36	68,57	10,56			

<sup>13</sup> In the tables: "yes" means that the person has aversion from sexual intercourse without emotional involvement.

Independent sample t-test							
Males		N	Mean	Std. Deviation	Mean Difference	Sign.	Cohen's d
ESK / F	yes	28	48,25	7,81	1,54	0,498	0,17
	no	36	46,71	9,78			
ESK / R	yes	28	53,07	10,05	0,15	0,956	0,01
	no	36	52,92	11,83			
ESK Total	yes	28	207,11	24,98	6,98	0,350	0,23
	no	36	200,13	34,33			
Logo-Test Part I.	yes	28	2,96	2,46	-0,98	0,146	0,38
	no	36	3,94	2,78			
Logo-Test Part II.	yes	28	4,79	1,93	-0,58	0,304	0,26
	no	36	5,36	2,39			
Logo-Test Part III.	yes	28	3,89	1,13	-0,25	0,498	0,18
	no	36	4,14	1,62			
<u>Logo-Test Total</u>	yes	28	11,64	3,37	-1,80	<u>0,096</u>	<u>0,41</u>
	no	36	13,44	5,12			

Independent sample t-test							
Total sample		N	Mean	Std. Deviation	Sign.	Mean Difference	Cohen's d
ESK SD	yes	104	35,8	6,5	0,023	2,5	0,37
	no	60	33,3	7,0			
ESK ST	yes	104	72,8	7,4	0,008	4,2	0,49
	no	60	68,7	10,4			
<u>ESK F</u>	yes	104	50,0	7,6	<u>0,08</u>	2,6	<u>0,31</u>
	no	60	47,4	9,6			
ESK R	yes	104	55,6	10,1	0,171	2,4	0,22
	no	60	53,2	11,4			
ESK Total	yes	104	214,1	26,9	0,026	11,6	0,39
	no	60	202,5	33,9			
<u>Logo-Test Part I.</u>	yes	104	3,3	2,3	<u>0,062</u>	-0,7	<u>0,31</u>
	no	60	4,1	2,6			

Independent sample t-test							
Total sample		N	Mean	Std. Deviation	Sign.	Mean Difference	Cohen's d
<u>Logo-Test Part II.</u>	yes	104	4,8	1,9	<u>0,062</u>	-0,7	<u>0,33</u>
	no	60	5,5	2,4			
Logo-Test Part III.	yes	104	4,0	1,2	0,451	-0,2	0,12
	no	60	4,2	1,5			
Logo-Test Total	yes	104	12,1	3,7	0,030	-1,6	0,38
	no	60	13,7	4,8			