

### Analysis 3

Table 1

Study 1: Analysis 3, Step 1

	Extraversion			Agreeableness			Conscientiousness			Neuroticism			Openness		
	Est	SE	<i>p</i>	Est	SE	<i>p</i>	Est	SE	<i>p</i>	Est	SE	<i>p</i>	Est	SE	<i>p</i>
<b>Intercept</b>	<b>2.890</b>	0.025	<.001	<b>2.894</b>	0.025	<.001	<b>2.899</b>	0.025	<.001	<b>2.897</b>	0.024	<.001	<b>2.893</b>	0.025	<.001
<b>TCE</b>	-0.025	0.021	.244	-0.025	0.021	.239	-0.028	0.021	.193	-0.021	0.021	.313	-0.026	0.021	.216
<b>SNS</b>	-0.011	0.026	.669	-0.013	0.026	.610	-0.016	0.026	.548	-0.008	0.026	.768	-0.014	0.026	.597
<b>Family</b>	-0.019	0.024	.427	-0.021	0.024	.372	-0.024	0.024	.314	-0.015	0.024	.533	-0.022	0.024	.353
<b>Others</b>	-0.051	0.028	.073	-0.050	0.028	.078	-0.047	0.028	.095	-0.051	0.028	.073	-0.051	0.028	.070
<b>Weekend<sup>a</sup></b>	0.026	0.017	.123	0.026	0.017	.116	0.026	0.017	.118	0.025	0.017	.139	0.026	0.017	.126
<b>Personality</b>	<b>0.050</b>	0.017	.003	<b>0.090</b>	0.016	<.001	<b>0.088</b>	0.016	<.001	<b>-0.203</b>	0.016	<.001	0.008	0.016	.618
<b>Variance intercept</b>	0.201			0.195			0.196			0.165			0.203		
<b>Residual variance</b>	0.247			0.247			0.247			0.247			0.247		

Note. Main effects of mode of communication (reference category: talking on the phone/video-chatting), type of interaction partner (reference category: peers), and personality traits (each trait in separate models) on momentary well-being. TCE = texting/chatting/emailing; SNS = interactions on social networking sites. All models included random intercepts. Coefficients in bold are significant with  $p < .01$ .

<sup>a</sup>Weekend: 0 = weekday, 1 = weekend day.

Table 2

*Study 1: Analysis 3, Step 2*

	Extraversion			Agreeableness			Conscientiousness			Neuroticism			Openness		
	Est	SE	<i>p</i>	Est	SE	<i>p</i>	Est	SE	<i>p</i>	Est	SE	<i>p</i>	Est	SE	<i>p</i>
<b>Intercept</b>	<b>2.916</b>	0.029	<.001	<b>2.920</b>	0.028	<.001	<b>2.919</b>	0.028	<.001	<b>2.919</b>	0.028	<.001	<b>2.915</b>	0.028	<.001
<b>TCE</b>	-0.052	0.027	.053	-0.053	0.027	.046	-0.048	0.027	.073	-0.044	0.026	.095	-0.050	0.026	.059
<b>SNS</b>	-0.045	0.031	.149	-0.049	0.031	.113	-0.044	0.031	.158	-0.040	0.030	.194	-0.045	0.031	.145
<b>Family</b>	-0.069	0.038	.069	-0.074	0.038	.051	-0.067	0.038	.075	-0.059	0.037	.115	-0.065	0.038	.086
<b>Others</b>	-0.103	0.064	.108	-0.099	0.064	.119	-0.103	0.064	.105	-0.104	0.063	.100	-0.101	0.064	.112
<b>Weekend<sup>a</sup></b>	0.026	0.017	.126	0.026	0.017	.125	0.025	0.017	.128	0.024	0.017	.148	0.025	0.017	.140
<b>Personality</b>	0.028	0.026	.277	<b>0.110</b>	0.025	<.001	<b>0.074</b>	0.025	.003	<b>-0.213</b>	0.026	<.001	0.015	0.026	.567
<b>TCE × Family</b>	0.076	0.050	.124	0.073	0.049	.141	0.065	0.049	.189	0.070	0.049	.155	0.070	0.049	.153
<b>TCE × Others</b>	0.040	0.073	.580	0.039	0.072	.586	0.043	0.072	.556	0.040	0.072	.573	0.038	0.072	.599
<b>SNS × Family</b>	0.084	0.085	.322	0.087	0.085	.307	0.077	0.085	.365	0.069	0.084	.413	0.076	0.085	.369
<b>SNS × Others</b>	0.148	0.092	.108	0.154	0.091	.092	0.141	0.092	.123	0.155	0.091	.089	0.142	0.091	.121
<b>Pers × TCE</b>	0.019	0.022	.402	-0.023	0.021	.280	0.023	0.022	.288	0.006	0.023	.799	-0.018	0.022	.410
<b>Pers × SNS</b>	0.029	0.027	.295	-0.026	0.025	.315	0.000	0.027	.986	0.031	0.028	.265	-0.019	0.027	.473
<b>Pers × Family</b>	0.031	0.024	.194	-0.023	0.023	.323	0.020	0.024	.418	-0.008	0.026	.752	0.045	0.025	.068
<b>Pers × Others</b>	0.008	0.029	.797	0.027	0.028	.334	-0.018	0.028	.511	0.001	0.029	.986	0.026	0.028	.351
<b>Variance intercept</b>	0.202			0.196			0.197			0.166			0.203		
<b>Residual variance</b>	0.247			0.247			0.247			0.247			0.247		

*Note.* Effects of mode of communication (reference category: talking on the phone/video-chatting), type of interaction partner (reference category: peers), personality traits (each trait in separate models), and all two-way interactions on momentary well-being. TCE = texting/chatting/emailing; SNS = interactions on social networking sites; Pers = personality. All models included random intercepts. Coefficients in bold are significant with  $p < .01$ .

<sup>a</sup>Weekend: 0 = weekday, 1 = weekend day.

Table 3

*Study 1: Analysis 3, Step 3*

	Extraversion			Agreeableness			Conscientiousness			Neuroticism			Openness		
	Est	SE	<i>p</i>	Est	SE	<i>p</i>	Est	SE	<i>p</i>	Est	SE	<i>p</i>	Est	SE	<i>p</i>
<b>Intercept</b>	<b>2.913</b>	0.029	<.001	<b>2.923</b>	0.029	<.001	<b>2.920</b>	0.029	<.001	<b>2.920</b>	0.028	<.001	<b>2.914</b>	0.028	<.001
<b>TCE</b>	-0.048	0.027	.075	-0.056	0.027	.037	-0.049	0.027	.067	-0.045	0.026	.089	-0.050	0.026	.060
<b>SNS</b>	-0.041	0.031	.187	-0.052	0.031	.093	-0.045	0.031	.150	-0.041	0.030	.181	-0.045	0.031	.145
<b>Family</b>	-0.068	0.038	.070	-0.075	0.038	.047	-0.069	0.038	.069	-0.061	0.037	.106	-0.065	0.038	.086
<b>Others</b>	-0.096	0.065	.144	-0.099	0.065	.124	-0.098	0.064	.126	-0.102	0.063	.106	-0.103	0.064	.106
<b>Weekend<sup>a</sup></b>	0.027	0.017	.112	0.025	0.017	.128	0.026	0.017	.121	0.024	0.017	.153	0.025	0.017	.132
<b>Personality</b>	0.054	0.029	.067	<b>0.124</b>	0.028	<.001	<b>0.079</b>	0.029	.006	<b>-0.241</b>	0.029	<.001	0.010	0.030	.729
<b>TCE × Family</b>	0.080	0.050	.107	0.075	0.050	.130	0.066	0.050	.183	0.076	0.050	.127	0.071	0.049	.150
<b>TCE × Others</b>	0.033	0.074	.656	0.037	0.073	.611	0.037	0.073	.611	0.039	0.072	.583	0.041	0.072	.575
<b>SNS × Family</b>	0.084	0.085	.319	0.100	0.086	.243	0.080	0.086	.351	0.076	0.088	.387	0.078	0.086	.360
<b>SNS × Others</b>	0.127	0.093	.176	0.185	0.094	.049	0.118	0.094	.210	0.156	0.091	.087	0.143	0.092	.118
<b>Pers × TCE</b>	-0.016	0.028	.567	-0.035	0.027	.197	0.015	0.028	.590	0.038	0.029	.193	-0.014	0.028	.627
<b>Pers × SNS</b>	0.007	0.032	.831	-0.047	0.030	.118	0.000	0.032	.992	0.062	0.033	.057	-0.015	0.031	.638
<b>Pers × Family</b>	-0.028	0.039	.473	-0.057	0.038	.130	-0.005	0.038	.896	0.037	0.040	.364	0.044	0.039	.267
<b>Pers × Others</b>	-0.033	0.066	.615	0.030	0.061	.621	0.039	0.067	.559	0.132	0.075	.077	0.083	0.068	.223
<b>Pers × TCE × Family</b>	0.101	0.050	.042	0.044	0.049	.372	0.050	0.049	.305	-0.067	0.053	.205	0.008	0.050	.877
<b>Pers × TCE × Others</b>	0.073	0.075	.329	-0.033	0.070	.640	-0.056	0.074	.451	-0.151	0.083	.068	-0.072	0.076	.342
<b>Pers × SNS × Family</b>	0.059	0.083	.476	0.089	0.075	.239	0.006	0.107	.956	-0.062	0.101	.542	-0.011	0.105	.918
<b>Pers × SNS × Others</b>	-0.039	0.098	.695	0.092	0.089	.299	-0.111	0.092	.230	-0.166	0.097	.088	-0.055	0.088	.530
<b>Variance intercept</b>	0.202			0.196			0.196			0.166			0.203		
<b>Residual variance</b>	0.247			0.247			0.247			0.247			0.247		

*Note.* Effects of mode of communication (reference category: talking on the phone/video-chatting), type of interaction partner (reference category: peers), personality traits (each trait in separate models), and all two-way and three-way interactions on momentary well-being. TCE = texting/chatting/emailing; SNS = interactions on social networking sites; Pers = personality. All models included random intercepts. Coefficients in bold are significant with  $p < .01$ .

<sup>a</sup>Weekend: 0 = weekday, 1 = weekend day.

Table 4

*Study 2: Analysis 3, Step 1*

	Extraversion			Agreeableness			Conscientiousness			Neuroticism			Openness		
	Est	SE	<i>p</i>	Est	SE	<i>p</i>	Est	SE	<i>p</i>	Est	SE	<i>p</i>	Est	SE	<i>p</i>
<b>Intercept</b>	<b>2.917</b>	0.034	<.001	<b>2.918</b>	0.034	<.001	<b>2.925</b>	0.034	<.001	<b>2.922</b>	0.033	<.001	<b>2.918</b>	0.034	<.001
<b>TCE</b>	-0.068	0.030	.022	-0.068	0.030	.021	-0.069	0.030	.019	-0.070	0.029	.018	-0.068	0.030	.021
<b>SNS</b>	-0.073	0.036	.042	-0.073	0.036	.040	-0.073	0.036	.039	-0.074	0.035	.036	-0.073	0.036	.040
<b>Family</b>	-0.044	0.033	.187	-0.045	0.033	.172	-0.050	0.033	.133	-0.047	0.033	.155	-0.045	0.033	.179
<b>Others</b>	-0.085	0.038	.024	-0.086	0.038	.022	-0.087	0.038	.021	-0.092	0.037	.014	-0.085	0.038	.024
<b>Weekend<sup>a</sup></b>	<b>0.087</b>	0.023	<.001	<b>0.086</b>	0.023	<.001	<b>0.085</b>	0.023	<.001	<b>0.087</b>	0.023	<.001	<b>0.087</b>	0.023	<.001
<b>Personality</b>	0.014	0.022	.525	0.031	0.022	.149	<b>0.075</b>	0.021	.001	<b>-0.163</b>	0.022	<.001	-0.008	0.022	.711
<b>Variance intercept</b>	0.189			0.188			0.182			0.166			0.189		
<b>Residual variance</b>	0.255			0.255			0.255			0.254			0.255		

*Note.* Main effects of mode of communication (reference category: talking on the phone/video-chatting), type of interaction partner (reference category: peers), and personality traits (each trait in separate models) on momentary well-being. TCE = texting/chatting/emailing; SNS = interactions on social networking sites. All models included random intercepts. Coefficients in bold are significant with  $p < .01$ .

<sup>a</sup>Weekend: 0 = weekday, 1 = weekend day.

Table 5

*Study 2: Analysis 3, Step 2*

	Extraversion			Agreeableness			Conscientiousness			Neuroticism			Openness		
	Est	SE	<i>p</i>	Est	SE	<i>p</i>	Est	SE	<i>p</i>	Est	SE	<i>p</i>	Est	SE	<i>p</i>
<b>Intercept</b>	<b>2.932</b>	0.039	<.001	<b>2.933</b>	0.039	<.001	<b>2.945</b>	0.039	<.001	<b>2.940</b>	0.038	<.001	<b>2.932</b>	0.039	<.001
<b>TCE</b>	-0.090	0.037	.016	-0.088	0.037	.018	-0.093	0.037	.012	-0.093	0.037	.012	-0.087	0.037	.018
<b>SNS</b>	-0.082	0.042	.051	-0.081	0.042	.052	-0.087	0.042	.038	-0.085	0.042	.041	-0.071	0.042	.090
<b>Family</b>	-0.042	0.050	.398	-0.042	0.050	.406	-0.049	0.050	.327	-0.047	0.050	.347	-0.045	0.050	.373
<b>Others</b>	<b>-0.284</b>	0.089	.002	<b>-0.280</b>	0.089	.002	<b>-0.284</b>	0.088	.001	<b>-0.294</b>	0.088	.001	<b>-0.278</b>	0.088	.002
<b>Weekend<sup>a</sup></b>	<b>0.088</b>	0.023	<.001	<b>0.086</b>	0.023	<.001	<b>0.084</b>	0.023	<.001	<b>0.088</b>	0.023	<.001	<b>0.084</b>	0.023	<.001
<b>Personality</b>	0.017	0.035	.624	-0.008	0.035	.822	<b>0.091</b>	0.033	.006	<b>-0.182</b>	0.035	<.001	-0.054	0.033	.101
<b>TCE × Family</b>	-0.009	0.067	.890	-0.012	0.067	.859	-0.008	0.067	.906	-0.006	0.067	.925	-0.009	0.067	.899
<b>TCE × Others</b>	<b>0.255</b>	0.098	.009	0.246	0.097	.011	0.249	0.097	.010	<b>0.256</b>	0.096	.008	0.248	0.097	.011
<b>SNS × Family</b>	-0.090	0.125	.474	-0.087	0.125	.488	-0.076	0.126	.546	-0.092	0.125	.462	-0.089	0.125	.477
<b>SNS × Others</b>	0.175	0.121	.151	0.165	0.121	.174	0.173	0.120	.152	0.181	0.120	.132	0.157	0.121	.193
<b>Pers × TCE</b>	-0.002	0.031	.953	0.039	0.031	.206	-0.001	0.030	.972	0.020	0.032	.528	0.049	0.029	.087
<b>Pers × SNS</b>	0.012	0.039	.765	0.035	0.037	.356	-0.025	0.036	.497	0.014	0.038	.705	0.080	0.036	.025
<b>Pers × Family</b>	-0.016	0.035	.640	0.025	0.033	.438	-0.044	0.032	.180	0.031	0.036	.382	-0.001	0.032	.979
<b>Pers × Others</b>	-0.006	0.036	.863	0.035	0.039	.364	-0.030	0.037	.426	0.004	0.039	.923	0.000	0.036	.990
<b>Variance intercept</b>	0.189			0.188			0.181			0.166			0.189		
<b>Residual variance</b>	0.254			0.254			0.255			0.254			0.254		

*Note.* Effects of mode of communication (reference category: talking on the phone/video-chatting), type of interaction partner (reference category: peers), personality traits (each trait in separate models), and all two-way interactions on momentary well-being. TCE = texting/chatting/emailing; SNS = interactions on social networking sites; Pers = personality. All models included random intercepts. Coefficients in bold are significant with  $p < .01$ .

<sup>a</sup>Weekend: 0 = weekday, 1 = weekend day.

Table 6

*Study 2: Analysis 3, Step 3*

	Extraversion			Agreeableness			Conscientiousness			Neuroticism			Openness		
	Est	SE	<i>p</i>	Est	SE	<i>p</i>	Est	SE	<i>p</i>	Est	SE	<i>p</i>	Est	SE	<i>p</i>
<b>Intercept</b>	<b>2.931</b>	0.039	<.001	<b>2.933</b>	0.039	<.001	<b>2.950</b>	0.039	<.001	<b>2.942</b>	0.038	<.001	<b>2.930</b>	0.039	<.001
<b>TCE</b>	-0.089	0.037	.017	-0.088	0.037	.018	<b>-0.098</b>	0.037	.009	-0.095	0.037	.010	-0.087	0.037	.019
<b>SNS</b>	-0.081	0.042	.052	-0.080	0.042	.054	-0.091	0.042	.030	-0.086	0.042	.040	-0.070	0.042	.098
<b>Family</b>	-0.042	0.050	.408	-0.042	0.050	.404	-0.052	0.051	.306	-0.050	0.050	.321	-0.044	0.050	.376
<b>Others</b>	<b>-0.254</b>	0.092	.006	<b>-0.273</b>	0.089	.002	<b>-0.287</b>	0.089	.001	<b>-0.297</b>	0.088	.001	<b>-0.275</b>	0.089	.002
<b>Weekend<sup>a</sup></b>	<b>0.089</b>	0.023	<.001	<b>0.086</b>	0.023	<.001	<b>0.084</b>	0.023	<.001	<b>0.089</b>	0.023	<.001	<b>0.084</b>	0.023	<.001
<b>Personality</b>	0.061	0.041	.133	0.010	0.041	.802	<b>0.115</b>	0.038	.002	<b>-0.202</b>	0.041	<.001	-0.029	0.037	.444
<b>TCE × Family</b>	-0.009	0.067	.898	-0.014	0.067	.841	-0.004	0.067	.952	-0.004	0.067	.947	-0.008	0.067	.907
<b>TCE × Others</b>	0.227	0.100	.023	0.242	0.098	.013	<b>0.255</b>	0.097	.009	<b>0.259</b>	0.096	.007	0.241	0.098	.014
<b>SNS × Family</b>	-0.081	0.126	.521	-0.090	0.125	.472	-0.082	0.132	.533	-0.076	0.125	.546	-0.066	0.126	.601
<b>SNS × Others</b>	0.150	0.123	.222	0.146	0.122	.232	0.190	0.122	.120	0.181	0.120	.132	0.160	0.121	.187
<b>Pers × TCE</b>	-0.050	0.040	.209	0.024	0.040	.548	-0.028	0.037	.451	0.051	0.041	.217	0.017	0.036	.632
<b>Pers × SNS</b>	-0.044	0.045	.332	0.006	0.045	.901	-0.058	0.043	.172	0.022	0.045	.621	0.058	0.041	.160
<b>Pers × Family</b>	-0.091	0.053	.088	-0.020	0.053	.710	-0.101	0.048	.037	0.079	0.053	.136	-0.051	0.050	.309
<b>Pers × Others</b>	-0.131	0.080	.102	0.063	0.093	.496	-0.037	0.085	.664	-0.045	0.099	.648	-0.041	0.080	.610
<b>Pers × TCE × Family</b>	0.106	0.071	.135	0.067	0.069	.333	0.106	0.066	.110	-0.122	0.073	.097	0.071	0.066	.282
<b>Pers × TCE × Others</b>	0.134	0.089	.132	-0.060	0.101	.553	-0.013	0.094	.889	0.031	0.108	.775	0.077	0.088	.382
<b>Pers × SNS × Family</b>	0.191	0.142	.177	0.129	0.129	.318	0.096	0.130	.462	0.043	0.132	.748	0.227	0.145	.117
<b>Pers × SNS × Others</b>	0.251	0.133	.059	0.074	0.130	.569	0.089	0.121	.464	0.134	0.128	.296	-0.046	0.114	.686
<b>Variance intercept</b>	0.189			0.187			0.181			0.167			0.188		
<b>Residual variance</b>	0.254			0.255			0.255			0.254			0.254		

*Note.* Effects of mode of communication (reference category: talking on the phone/video-chatting), type of interaction partner (reference category: peers), personality traits (each trait in separate models), and all two-way and three-way interactions on momentary well-being. TCE = texting/chatting/emailing; SNS = interactions on social networking sites; Pers = personality. All models included random intercepts. Coefficients in bold are significant with  $p < .01$ .

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