

Supplement to “NARCISSISTS’ SOCIOEMOTIONAL COGNITION ABILITY”

Supplements to  
“A Comprehensive Examination of Narcissists’  
Self-Perceived and Actual Socioemotional Cognition Ability”

**Supplement 1: Intercorrelations between Specific Measures and Internal Consistencies**

**Supplement 2: Additional Information Concerning Data Collection and Data Analysis**

**Supplement 3: Condition-Based Regression Analysis (CRA)**

Date: 25.10.2018

**Supplement 1: Intercorrelations between Specific Measures and Internal Consistencies**

**Study 1**

Table 1

*Pearson’s Correlation Coefficients, Cronbach’s Alphas, and Descriptive Statistics for Various Measures of Narcissism*

	1	2	3	4	5	6	7	8	9	10	11	12
1 NPI	.72/.80	<b>.76</b>	<b>.70</b>	<b>.47</b>	<b>.64</b>	<b>.58</b>	<b>.50</b>	<b>.55</b>	<b>.37</b>	<b>.28</b>	<b>.28</b>	<b>.32</b>
2 L/A		.62/.74	<b>.24</b>	<b>.28</b>	<b>.43</b>	<b>.41</b>	<b>.30</b>	<b>.40</b>	<b>.26</b>	<b>.22</b>	<b>.23</b>	<b>.18</b>
3 GE			.61/.72	<b>.20</b>	<b>.52</b>	<b>.46</b>	<b>.48</b>	<b>.41</b>	<b>.25</b>	.11	<b>.18</b>	<b>.29</b>
4 E/E				.53/.36	<b>.24</b>	<b>.24</b>	<b>.22</b>	<b>.15</b>	<b>.41</b>	<b>.27</b>	<b>.36</b>	<b>.35</b>
5 NARQ Adm					.81/.87	<b>.86</b>	<b>.87</b>	<b>.83</b>	<b>.42</b>	<b>.25</b>	<b>.33</b>	<b>.40</b>
6 Grand						.66/.80	<b>.66</b>	<b>.54</b>	<b>.33</b>	<b>.20</b>	<b>.22</b>	<b>.38</b>
7 Uniq							.55/.67	<b>.59</b>	<b>.41</b>	<b>.22</b>	<b>.35</b>	<b>.40</b>
8 Char								.67/.75	<b>.33</b>	<b>.23</b>	<b>.29</b>	<b>.25</b>
9 NARQ Riv									.79/.83	<b>.70</b>	<b>.86</b>	<b>.79</b>
10 Deva										.66/.70	<b>.44</b>	<b>.35</b>
11 Supr											.80/.80	<b>.51</b>
12 Aggr												.57/.73

Supplement to “NARCISSISTS’ SOCIOEMOTIONAL COGNITION ABILITY”

<i>M</i>	14.13	3.63	3.66	1.27	3.13	2.88	3.33	3.19	2.27	1.63	2.67	2.52
<i>SD</i>	5.69	2.36	2.27	1.07	.82	.98	.91	.97	.77	.77	1.16	.97

---

*Note.*  $N = 256$ . Bold correlations are significant ( $p < .05$ , two-tailed). NPI = Narcissistic Personality Inventory; L/A = Leadership/Authority subscale; GE = NPI Grandiose Exhibitionism subscale; E/E = Entitlement/Exploitativeness subscale; NARQ = Narcissistic Admiration and Rivalry Questionnaire; Adm = Admiration dimension; Grand = Grandiosity facet; Uniq = Striving for Uniqueness facet; Char = Charmingness facet; Riv = Rivalry dimension; Deva = Devaluation facet; Supr = Striving for Supremacy facet; Aggr = Aggressiveness facet. Cronbach’s alphas for the two sub-samples of Study 1 are reported in the diagonal line (Sample 1/Sample 2) of this table.

Supplement to “NARCISSISTS’ SOCIOEMOTIONAL COGNITION ABILITY”

Table 2

*Pearson’s Correlation Coefficients, Cronbach’s Alphas and Descriptive Statistics for Measures of Perceived and Actual Socioemotional Cognition Ability*

	Perceived SECA				Actual SECA				Reasoning capacity
	1	2	3	4	5	6	7	8	9
1 IRI EC	.48/.56	<b>.25</b>	<b>.33</b>	<b>.39</b>	.09/. <b>.21</b>	<b>.13</b>	.06	.06	-.07
2 IRI PT		.71/.64	<b>.44</b>	<b>.29</b>	.09/. <b>.27</b>	.11	.12	.05	<b>.14</b>
3 ToMiA			.80	<b>.71</b>	- /. <b>.21</b>	.12	<b>.27</b>	.12	-.03
4 ECQ EA				.88/.81	<b>.18/.17</b>	.05	<b>.14</b>	.08	-.08
5 RMET/MET					.36/.48	<b>.21/.42</b>	<b>.25/.48</b>	<b>.25/.26</b>	.01/. <b>.23</b>
6 MASC						.59/.67	<b>.36</b>	<b>.34</b>	<b>.24</b>
7 MSCEIT							.85/.90	<b>.26</b>	<b>.17</b>
8 ERI								.49/.60	.12
9 RAVEN									.57/.73
<i>M</i>	4.02	3.84	53.93	4.09	27.86/32.48	37.13	46.35	.74	.58
<i>SD</i>	.55	.62	5.19	.53	2.99/3.24	3.90	4.69	.06	.18

Supplement to “NARCISSISTS’ SOCIOEMOTIONAL COGNITION ABILITY”

<i>N</i>	256	256	136	256	120/136	256	256	256	256
----------	-----	-----	-----	-----	---------	-----	-----	-----	-----

---

*Note.* *N* = 256. Bold correlations are significant ( $p < .05$ , two-tailed). SECA = socioemotional cognition ability; IRI = Interpersonal Reactivity Index; IRI EC = IRI Empathic Concern subscale; IRI PT = IRI Perspective-Taking subscale; ToMiA = Theory of Mind im Alltag (Theory of Mind in Everyday Life Test); ECQ = Emotional Competence Questionnaire; MET = Multifaceted Empathy Test (cognitive subtest); RMET = Reading the Mind in the Eyes Task; MASC = Movie for the Assessment of Social Cognition; MSCEIT = Mayer-Salovey-Caruso Emotional Intelligence Test; ERI = Emotion Recognition Index. Cronbach’s alphas for the two sub-samples of Study 1 are reported in the diagonal line (Sample 1/Sample 2) of this table.

Supplement to “NARCISSISTS’ SOCIOEMOTIONAL COGNITION ABILITY”

Table 3

*Pearson’s Correlation Coefficients between Narcissism Measures and Measures of Perceived and Actual Socioemotional Cognition Ability*

	Perceived SECA				Actual SECA				Reasoning capacity
	IRI EC	IRI PT	ToMiA	ECQ EA	RMET/MET	MASC	MSCEIT	ERI	RAVEN
<b>NPI</b>	-.05	-.05	<b>.22</b>	<b>.15</b>	-.02/-.13	-.09	-.09	<b>-.14</b>	-.10
NPI L/A	-.05	-.02	.13	.10	-.03/-.08	-.11	-.06	-.09	-.09
NPI GE	.00	-.09	.15	.09	-.11/ <b>-.17</b>	-.05	-.04	-.10	-.12
NPI E/E	-.08	<b>-.17</b>	-.01	-.06	.04/-.02	-.06	-.06	-.11	<b>-.13</b>
<b>NARQ</b>	.10	-.04	<b>.17</b>	<b>.21</b>	-.10/-.13	-.08	<b>-.14</b>	-.10	-.06
<b>Admiration</b>									
Grandiosity	.02	-.02	.12	.11	-.16/-.09	<b>-.13</b>	<b>-.15</b>	<b>-.14</b>	-.07
Uniqueness	.08	-.09	.05	.11	-.07/-.10	-.08	-.07	-.06	-.02
Charmingness	<b>.15</b>	.00	<b>.27</b>	<b>.32</b>	-.02/-.15	-.01	<b>-.14</b>	-.07	-.06
<b>NARQ Rivalry</b>	-.12	<b>-.17</b>	-.10	-.08	-.09/-.16	<b>-.16</b>	<b>-.29</b>	<b>-.17</b>	-.06
Devaluation	-.09	-.05	.03	-.05	-.02/-.11	<b>-.13</b>	<b>-.24</b>	-.11	.00
Supremacy	<b>-.13</b>	<b>-.16</b>	-.10	-.03	-.03/-.15	<b>-.15</b>	<b>-.22</b>	<b>-.14</b>	-.07

Supplement to “NARCISSISTS’ SOCIOEMOTIONAL COGNITION ABILITY”

Aggressiveness	-.05	<b>-.18</b>	-.15	-.11	-.17/-.12	-.10	<b>-.24</b>	<b>-.15</b>	-.06
----------------	------	-------------	------	------	-----------	------	-------------	-------------	------

---

*Note.* Sample 1/Sample 2;  $N = 120/N = 136$ . Bold correlations are significant ( $p < .05$ , two-tailed). SECA = socioemotional cognition ability; IRI = Interpersonal Reactivity Index; IRI EC = IRI Empathic Concern subscale; IRI PT = IRI Perspective-Taking subscale; ToMiA = Theory of Mind im Alltag (Theory of Mind in Everyday Life Test); ECQ = Emotional Competence Questionnaire; MET = Multifaceted Empathy Test (cognitive subtest); RMET = Reading the Mind in the Eyes Task; MASC = Movie for the Assessment of Social Cognition; MSCEIT = Mayer-Salovey-Caruso Emotional Intelligence Test; ERI = Emotion Recognition Index.

Supplement to “NARCISSISTS’ SOCIOEMOTIONAL COGNITION ABILITY”

**Study 2**

Table 4

*Pearson’s Correlation Coefficients, Cronbach’s Alphas, and Descriptive Statistics for Various Measures of Narcissism*

	1	2	3	4	5	6	7	8	9	10	11	12
1 NPI	.78/.83/ 83	<b>.80</b>	<b>.72</b>	<b>.45</b>	<b>.66</b>	<b>.62</b>	<b>.50</b>	<b>.58</b>	<b>.33</b>	<b>.15</b>	<b>.28</b>	<b>.33</b>
2 L/A		.72/.79/ .62	<b>.37</b>	<b>.28</b>	<b>.51</b>	<b>.49</b>	<b>.32</b>	<b>.49</b>	<b>.22</b>	<b>.16</b>	<b>.22</b>	<b>.14</b>
3 GE			.69/.68/ .78	<b>.19</b>	<b>.51</b>	<b>.48</b>	<b>.44</b>	<b>.40</b>	<b>.19</b>	-.01	<b>.16</b>	<b>.28</b>
4 E/E				.54/.30/ .42	<b>.20</b>	<b>.14</b>	<b>.19</b>	<b>.18</b>	<b>.42</b>	<b>.23</b>	<b>.37</b>	<b>.37</b>
5 NARQ Adm					.82/.84/ .88	<b>.87</b>	<b>.87</b>	<b>.84</b>	<b>.33</b>	<b>.15</b>	<b>.25</b>	<b>.37</b>
6 Grand						.73/.66/ .74	<b>.66</b>	<b>.58</b>	<b>.19</b>	.08	<b>.13</b>	<b>.23</b>
7 Uniq							.52/.60/ .73	<b>.58</b>	<b>.35</b>	<b>.12</b>	<b>.27</b>	<b>.42</b>
8 Char								.66/.79/ .73	<b>.31</b>	<b>.18</b>	<b>.24</b>	<b>.31</b>
9 NARQ Riv									.79/.83/ .83	<b>.68</b>	<b>.88</b>	<b>.76</b>



Supplement to “NARCISSISTS’ SOCIOEMOTIONAL COGNITION ABILITY”

10	Deva									.58/.72/	<b>.45</b>	<b>.24</b>	
										.68			
11	Supr										.82/.83/	<b>.51</b>	
											.83		
12	Aggr											.70/.79/	
												.73	
<i>M</i>		14.25	4.11	3.44	1.20	3.08	2.84	3.30	3.11	2.18	1.67	2.56	2.31
<i>SD</i>		6.10	2.44	2.37	1.10	.86	1.00	1.00	1.01	.80	.82	1.23	.97

*Note.*  $N = 346$ . Bold correlations are significant ( $p < .05$ , two-tailed). NPI = Narcissistic Personality Inventory; L/A = Leadership/Authority subscale; GE = NPI Grandiose Exhibitionism subscale; E/E = Entitlement/Exploitativeness subscale; NARQ = Narcissistic Admiration and Rivalry Questionnaire; Adm = Admiration dimension; Grand = Grandiosity facet; Uniq = Striving for Uniqueness facet; Char = Charmingness facet; Riv = Rivalry dimension; Deva = Devaluation facet; Supr = Striving for Supremacy facet; Aggr = Aggressiveness facet. Cronbach’s alphas for the three sub-samples of Study 2 are reported in the diagonal line (Sample 1/Sample 2/Sample 3) of this table.

Supplement to “NARCISSISTS’ SOCIOEMOTIONAL COGNITION ABILITY”

Table 5

*Pearson’s Correlation Coefficients, Cronbach’s Alphas, and Descriptive Statistics for Measures of Perceived and Actual Socioemotional Cognition Ability*

	Perceived SECA				Actual SECA				Reasoning capacity
	1	2	3	4	5	6	7	8	9
1 IRI EC	.56/.74/.63	<b>.29</b>	<b>.38</b>	<b>.35</b>	<b>.12</b>	.09	<b>.16</b>	<b>.11</b>	.04
2 IRI PT		.75/.69/.73	<b>.39</b>	<b>.34</b>	-.01	-.02	.10	.02	.05
3 ToMiA			.85/.89/.85	<b>.75</b>	.04	.07	<b>.11</b>	<b>.11</b>	<b>-.16</b>
4 ECQ EA				.84/.92/.86	.02	<b>.17</b>	<b>.12</b>	.08	<b>-.18</b>
5 MET					.50/.72/.39	<b>.42</b>	<b>.41</b>	<b>.39</b>	<b>.27</b>
6 MASC						.77/.71/.40	<b>.35</b>	<b>.29</b>	<b>.12</b>
7 MSCEIT							.83/.88/.81	<b>.36</b>	<b>.17</b>
8 ERI								.46/.62/.48	<b>.30</b>
9 RAVEN									.68/.76/.71
<i>M</i>	3.96	3.84	53.39	4.03	32.44	36.41	47.55	.73	.55
<i>SD</i>	.64	.66	6.35	.59	3.67	3.95	3.92	.07	.21

Supplement to “NARCISSISTS’ SOCIOEMOTIONAL COGNITION ABILITY”

---

*Note.*  $N = 346$ . Bold correlations are significant ( $p < .05$ , two-tailed). SECA = socioemotional cognition ability; IRI = Interpersonal Reactivity Index; IRI EC = IRI Empathic Concern subscale; IRI PT = IRI Perspective-Taking subscale; ToMiA = Theory of Mind im Alltag (Theory of Mind in Everyday Life Test); ECQ = Emotional Competence Questionnaire; MET = Multifaceted Empathy Test (cognitive subtest); MASC = Movie for the Assessment of Social Cognition; MSCEIT = Mayer-Salovey-Caruso Emotional Intelligence Test; ERI = Emotion Recognition Index. Cronbach’s alphas for the three sub-samples of Study 2 are reported in the diagonal line (Sample 1/Sample 2/Sample 3) of this table.

Supplement to “NARCISSISTS’ SOCIOEMOTIONAL COGNITION ABILITY”

Table 6

*Pearson’s Correlation Coefficients between Narcissism Measures and Self-Concept and Ability Measures of Socioemotional Cognition*

	Perceived SECA				Actual SECA				Reasoning capacity
	IRI EC	IRI PT	ToMiA	ECQ EA	MET	MASC	MSCEIT	ERI	RAVEN
<b>NPI</b>	<b>-.12</b>	-.02	<b>.16</b>	<b>.11</b>	<b>-.17</b>	-.05	<b>-.15</b>	<b>-.13</b>	-.03
NPI L/A	<b>-.17</b>	.03	<b>.11</b>	<b>.07</b>	<b>-.20</b>	-.05	-.10	<b>-.15</b>	-.05
NPI GE	-.06	-.04	.07	.06	-.10	-.07	<b>-.15</b>	-.11	-.03
NPI E/E	-.11	<b>-.13</b>	-.01	-.04	-.04	-.03	<b>-.14</b>	-.01	-.03
<b>NARQ</b>	.09	<b>.12</b>	<b>.18</b>	<b>.16</b>	<b>-.20</b>	<b>-.16</b>	<b>-.17</b>	<b>-.14</b>	-.01
<b>Admiration</b>									
Grandiosity	.04	.07	<b>.13</b>	.09	<b>-.23</b>	<b>-.13</b>	<b>-.19</b>	<b>-.16</b>	-.03
Uniqueness	<b>.15</b>	.07	<b>.13</b>	<b>.13</b>	<b>-.12</b>	<b>-.16</b>	<b>-.13</b>	-.05	.06
Charmingness	.04	<b>.17</b>	<b>.21</b>	<b>.19</b>	<b>-.16</b>	<b>-.13</b>	<b>-.11</b>	<b>-.15</b>	-.05
<b>NARQ Rivalry</b>	-.07	<b>-.16</b>	<b>-.13</b>	<b>-.17</b>	-.06	-.09	<b>-.11</b>	.03	<b>.14</b>
Devaluation	<b>-.13</b>	-.09	<b>-.15</b>	<b>-.21</b>	-.06	-.08	-.07	-.04	<b>.13</b>
Supremacy	-.06	<b>-.11</b>	<b>-.11</b>	<b>-.17</b>	-.08	-.10	<b>-.11</b>	.03	<b>.11</b>

Supplement to “NARCISSISTS’ SOCIOEMOTIONAL COGNITION ABILITY”

Aggressiveness	-0.01	<b>-0.16</b>	-0.05	-0.03	.01	-0.04	-0.07	.07	<b>.10</b>
----------------	-------	--------------	-------	-------	-----	-------	-------	-----	------------

---

*Note.*  $N = 346$ . Bold correlations are significant ( $p < .05$ , two-tailed). SECA = socioemotional cognition ability; IRI = Interpersonal Reactivity Index; IRI EC = IRI Empathic Concern subscale; IRI PT = IRI Perspective-Taking subscale; ToMiA = Theory of Mind im Alltag (Theory of Mind in Everyday Life Test); ECQ = Emotional Competence Questionnaire; MET = Multifaceted Empathy Test (cognitive subtest); MASC = Movie for the Assessment of Social Cognition; MSCEIT = Mayer-Salovey-Caruso Emotional Intelligence Test; ERI = Emotion Recognition Index.

**Supplement 2: Additional Information Concerning Data Collection and Data Analysis**

Table 7

*Overview of Measures Used in the Corresponding Study Sample*

	Study 1		Study 2		
	Sample 1	Sample 2	Sample 1	Sample 2	Sample 3
<b>Narcissism</b>					
NPI	X	X	X	X	X
NARQ	X	X	X	X	X
<b>Perceived SECA</b>					
IRI	X	X	X	X	X
ToMiA	—	X	X	X	X
ECQ	X	X	X	X	X
<b>Actual SECA</b>					
RMET	X	—	—	—	—
MET	—	X	X	X	X
MASC	X	X	X	X	X
MSCEIT	X	X	X	X	X
ERI	X	X	X	X	X
<b>General Reasoning Capacity</b>					
RAVEN	X	X	X	X	X
<b>Self-Esteem</b>					
RSES	—	—	X	X	X
<b>Motives</b>					
UMS-6	—	—	X	X	X
<b>Test situation-specific States</b>	—	—	X	X	X

*Note.* NPI = Narcissistic Personality Inventory; NARQ = Narcissistic Admiration and Rivalry Questionnaire; SECA = socioemotional cognition ability; IRI = Interpersonal Reactivity Index; ToMiA = Theory of Mind im Alltag (Theory of Mind in Everyday Life Test); ECQ = Emotional Competence Questionnaire; RMET = Reading the Mind in the Eyes Task; MET = Multifaceted Empathy Test (cognitive subtest); MASC = Movie for the Assessment of Social Cognition; MSCEIT = Mayer-Salovey-Caruso Emotional Intelligence Test; ERI = Emotion Recognition Index; RSES = Rosenberg Self-Esteem Scale; UMS-6 = Unified Motive Scales; Test situation-specific States comprised (i) valence, (ii) arousal, (iii) mental fatigue, (iv) task-specific motivation, and (v) anticipated and experienced ease during task completion.

Supplement to “NARCISSISTS’ SOCIOEMOTIONAL COGNITION ABILITY”

Table 8

*Overview of the Assignment of Questionnaire Items and Test Measures to Parcels*

	Agentic Narcissism	Antagonistic Narcissism	Perceived SECA	Actual SECA
Parcel 1	narq1, narq3, narq7, npi1, npi4, npi12, npi33, npi7, npi19, npi20	narq9, narq6, narq14, npi13r, npi14r	IRI: Empathic Concern subscale	MASC global score; ERI global score
Parcel 2	narq2, narq5, narq16, npi5, npi27, npi34, npi36, npi15, npi26, npi28	narq4, narq11, narq13, npi24r	IRI: Perspective Taking subscale; ToMiA global score*	RMET global score**/ MET cognitive subtest**
Parcel 3	narq8, narq15, narq18, npi10, npi11, npi32, npi40, npi29, npi30, npi38	narq10, narq12, narq17, npi25r	ECQ: Recognition of Emotions of Others subscale	MSCEIT: global emotional intelligence score

Note. npiX = Narcissistic Personality Inventory item number X; narqX = Narcissistic Admiration and Rivalry Questionnaire item number X; SECA = socioemotional cognition ability; IRI = Interpersonal Reactivity Index; ToMiA = Theory of Mind im Alltag (Theory of Mind in Everyday Life Test); ECQ = Emotional Competence Questionnaire; RMET = Reading the Mind in the Eyes Task; MET = Multifaceted Empathy Test (cognitive subtest); MASC = Movie for the Assessment of Social Cognition; MSCEIT = Mayer-Salovey-Caruso Emotional Intelligence Test; ERI = Emotion Recognition Index.

\*The ToMiA was not assessed in sample 1 of Study 1 and was therefore not included when creating parcels for that specific sample.

\*\* The RMET was only used in sample 1 of Study 1 and was subsequently replaced by the MET cognitive subtask. Thus, parcel 2 consisted of either RMET or the MET, dependent on the sample.

**Supplement 3: Condition-Based Regression Analyses (CRA)**

Table 9

*Results of the Condition-Based Regression Analyses to Test for an Association of Self-enhancement and the Narcissism Facets (Unstandardized Coefficients)*

		Agentic Narcissism			Antagonistic Narcissism		
		$c_1$	$c_2$	$abs$	$c_1$	$c_2$	$abs$
		<i>(unstandardized coefficients)</i>			<i>(unstandardized coefficients)</i>		
Study 1	1-facet model	<b>0.221</b>	<b>-0.248</b>	<b>0.442</b>	-0.097	<b>-0.283</b>	-0.194
	2-facet model	<b>0.212</b>	<b>-0.241</b>	<b>0.423</b>	-0.091	<b>-0.287</b>	-0.183
	1-facet model without RAVEN	<b>0.221</b>	<b>-0.264</b>	<b>0.443</b>	-0.102	<b>-0.284</b>	-0.204
	2-facet model without RAVEN	<b>0.212</b>	<b>-0.253</b>	<b>0.425</b>	-0.096	<b>-0.287</b>	-0.193
Study 2	1-facet model	<b>0.224</b>	<b>-0.28</b>	<b>0.448</b>	<b>-0.158</b>	-0.079	-0.158
	2-facet model	<b>0.221</b>	<b>-0.278</b>	<b>0.441</b>	<b>-0.161</b>	-0.079	-0.157
	1-facet model without RAVEN	<b>0.192</b>	<b>-0.245</b>	<b>0.384</b>	<b>-0.183</b>	-0.041	-0.082
	2-facet model without RAVEN	<b>0.192</b>	<b>-0.242</b>	<b>0.385</b>	<b>-0.186</b>	-0.04	-0.08
Mega-analytical integration	1-facet model	<b>0.222</b>	<b>-0.265</b>	<b>0.443</b>	<b>-0.142</b>	<b>-0.152</b>	-0.284
	2-facet model	<b>0.218</b>	<b>-0.264</b>	<b>0.435</b>	<b>-0.142</b>	<b>-0.151</b>	-0.283
	1-facet model without RAVEN	<b>0.202</b>	<b>-0.253</b>	<b>0.404</b>	<b>-0.158</b>	<b>-0.131</b>	-0.263
	2-facet model without RAVEN	<b>0.201</b>	<b>-0.252</b>	<b>0.403</b>	<b>-0.158</b>	<b>-0.13</b>	-0.26

*Note.* The 1-facet model without control for reasoning capacity is  $Agentic\ Narcissism = c_0 + c_1 perceived\_SECA + c_2 actual\_SECA + \varepsilon$ , and respectively for antagonistic narcissism. For the 2-facet model, the models for agentic and antagonistic narcissism were estimated in one structural equation model, allowing correlation of the two narcissism facets. For the models with control for reasoning capacity, Raven scores were included as an additional predictor in the respective regression model(s).  $c_1$  and  $c_2$  = (unstandardized) regression coefficients of perceived SECA and actual SECA, respectively, in the respective multiple regression model.  $abs = |c_1 - c_2| - |c_1 + c_2|$  is an auxiliary parameter used in the CRA test for an association of narcissism and self-enhancement. Narcissism is positively related to self-enhancement if  $abs$  is significantly positive and  $c_1 > 0$ . Bold coefficients are significant with  $p < .05$ .



Supplement to “NARCISSISTS’ SOCIOEMOTIONAL COGNITION ABILITY”

Table 10

*Results of the Condition-Based Regression Analyses to Test for an Association of Self-enhancement and the Narcissism Facets (Standardized Coefficients)*

		Agentic Narcissism			Antagonistic Narcissism		
		$c_1$	$c_2$	$abs$	$c_1$	$c_2$	$abs$
		<i>(standardized coefficients)</i>			<i>(standardized coefficients)</i>		
Study 1	1-facet model	<b>0.263</b>	<b>-0.296</b>	<b>0.527</b>	-0.131	<b>-0.362</b>	-0.262
	2-facet model	<b>0.258</b>	<b>-0.291</b>	<b>0.516</b>	-0.118	<b>-0.367</b>	-0.236
	1-facet model without RAVEN	<b>0.266</b>	<b>-0.305</b>	<b>0.532</b>	-0.138	<b>-0.353</b>	-0.275
	2-facet model without RAVEN	<b>0.26</b>	<b>-0.298</b>	<b>0.52</b>	-0.125	<b>-0.356</b>	-0.249
Study 2	1-facet model	<b>0.234</b>	<b>-0.379</b>	<b>0.467</b>	<b>-0.171</b>	-0.11	-0.22
	2-facet model	<b>0.232</b>	<b>-0.38</b>	<b>0.465</b>	<b>-0.171</b>	-0.109	-0.217
	1-facet model without RAVEN	<b>0.204</b>	<b>-0.329</b>	<b>0.408</b>	<b>-0.2</b>	-0.057	-0.114
	2-facet model without RAVEN	<b>0.205</b>	<b>-0.33</b>	<b>0.41</b>	<b>-0.2</b>	-0.055	-0.11
Mega-analytical integration	1-facet model	<b>0.242</b>	<b>-0.344</b>	<b>0.484</b>	<b>-0.166</b>	<b>-0.202</b>	-0.332
	2-facet model	<b>0.241</b>	<b>-0.344</b>	<b>0.482</b>	<b>-0.161</b>	<b>-0.202</b>	-0.321
	1-facet model without RAVEN	<b>0.226</b>	<b>-0.322</b>	<b>0.452</b>	<b>-0.185</b>	<b>-0.172</b>	-0.343
	2-facet model without RAVEN	<b>0.226</b>	<b>-0.322</b>	<b>0.452</b>	<b>-0.182</b>	<b>-0.17</b>	-0.339

*Note.* The 1-facet model without control for reasoning capacity is  $Agentic\ Narcissism = c_0 + c_1 perceived\_SECA + c_2 actual\_SECA + \varepsilon$ , and respectively for antagonistic narcissism. For the 2-facet model, the models for agentic and antagonistic narcissism were estimated in one structural equation model, allowing correlation of the two narcissism facets. For the models with control for reasoning capacity, Raven scores were included as an additional predictor in the respective regression model(s).  $c_1$  and  $c_2$  = (standardized) regression coefficients of perceived SECA and actual SECA, respectively, in the respective multiple regression model.  $abs = |c_1 - c_2| - |c_1 + c_2|$  is an auxiliary parameter used in the CRA test for an association of narcissism and self-enhancement. Narcissism is positively related to self-enhancement if  $abs$  is significantly positive and  $c_1 > 0$ . Bold coefficients are significant with  $p < .05$ .