

Table 1: Influential instruments of the Big Five at the facet level

Taxonomy	Domains	Facets	Reliability	Validity	No. of items
HEXACO-PI-R			(Lee & Ashton, 2016)		100*, 60
	Humility	Sincerity	0.66		
		Fairness	0.76	- Psychopathy (-.66), - Antisocial behavior (-.44) (Gaughan, Miller, Lynam, 2012); + Ethics/Integrity (.22) (McAbee et al., 2014)	
		Greed Avoidance	0.81	- Social Dominance Orientation (-.45) (Leone, Chirumbolo, Desimoni, 2012)	
		Modesty	0.68		
	Emotionality	Fearfulness	0.7		
		Anxiety	0.64		
		Dependence	0.8		
		Sentimentality	0.7	- Callous affect (-.68) (Gaughan et al., 2012); + Diversity (.22) (McAbee, Oswald, Connelly, 2014)	
	Extraversion	Social Self-Esteem	0.67	+ Adaptability / Life skills (.25) (McAbee et al., 2014)	
		Social Boldness	0.76	+ Emission-reduction behavior (Brick & Lewis, 2014) + Leadership (.36) (McAbee et al., 2014)	
		Sociability	0.71		
		Liveliness	0.76	+ Adaptability / Life skills (.25), + Social responsibility (.22), + Health (.21) (McAbee et al., 2014)	
	Agreeableness	Forgivingness	0.74		
		Gentleness	0.66		
		Flexibility	0.61		
		Patience	0.79		
	Conscientiousness	Organization	0.74		
		Diligence	0.7	+ GPA (.31), + Adaptability / Life skills (.37), + Perseverance (.50) (McAbee et al., 2014)	
		Perfectionism	0.69	+ Emission-reduction behavior (.25) (Brick & Lewis, 2014)	
		Prudence	0.69	- Erratic life-style (-.58) (Gaughan et al., 2012)	
	Openness				

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NEO-PI-r	Neuroticism	Aesthetic	0.66	+ Emission-reduction behavior (.33) , + Connectedness to nature (.51) (Brick & Lewis, 2014); - Right Wing Authoritarianism (-.37) (Leone et al., 2012);+ Continuous learning (.30) (McAbee, 2014) + Artistic appreciation (.43) (McAbee et al, 2014)	240
		Unconventionality	0.52	- Political Conservatism (.29) (Brick & Lewis, 2014)	
		Creativity	0.75		
		Inquisitiveness	0.66	+ Continuous learning (.30) (McAbee et al, 2014)	
		(McCrae et al., 2011)			
		Anxiety	0.78	- Fearless dominance (-.49) (Gaughan et al, 2009)	
		Angry Hostility	0.75	+ Callous / Manipulation (.29) & Dysregulation / Disinhibition (.48) & Anti social behavior (.26) (Gaughan et al, 2009)	
		Depression	0.81	+ Attachment Anxiety (.49), + Attachment avoidance (.26) (Nofle & Shaver, 2006); + Alexithymia (.36) (Bagby, Taylor, Parker; 1994); - Satisfaction with life (-.52) (Schimmack et al., 2004); + Avoidant attachment style (.32), + Anxious attachment style (.32) , - Secure attachment style (-.39) (Shaver & Brennan, 1992)	
		Self-Consciousness	0.68	+ Autism-spectrum Quotient (.33) (Wakabayashi, Baron-Cohen, Wheelwright, 2006); + Avoidant attachment style (.32) (Shaver & Brennan, 1992)	
		Impulsiveness	0.7	+ Alcohol related problems (.29) (Ruiz, Pincus & Dickinson, 2010)	
	Extraversion	Vulnerability	0.77		
		Warmth	0.73	+ Secure attachment style (Shaver & Brennan, 1992); - Attachment avoidance (-.26) (Nofle & Shaver, 2006)	
		Gregariousness	0.72	- Autism-spectrum Quotient (-.43) (Wakabayashi et al., 2006)	
		Assertiveness	0.77		
		Activity	0.63		
		Excitement Seeking	0.65	+ Fearless dominance (.53) (Gaughan et al, 2009)	

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		Positive Emotions	0.73	+ Satisfaction with life (.40) (Schimmack et al., 2004); - Avoidant attachment style (-.30) (Shaver & Brennan, 1992)	
	Openness	Fantasy	0.76		
		Aesthetics	0.76		
		Feelings	0.66	- Alexithymia (-.55) (Bagby et al., 1994)	
		Actions	0.58		
		Ideas	0.8		
		Values	0.67	+ SAT verbal (.26) (Nofle & Robins, 2007)	
	Agreeableness	Trust	0.79	- Attachment avoidance (-.26) (Nofle & Shaver, 2006)	
		Straightforwardness	0.71	- Interpersonal manipulation (-.75) (Gaughan et al., 2012); - Supervisor rating (Piedmont & Weinstein, 1994); - Fearless dominance (-.49), - Dysregulation / Disinhibition (-.49) (Gaughan et al, 2009)	
		Altruism	0.75	- Callous affect (-.63), - Antisocial behavior (-.37) (Gaughan et al., 2009); - Antisocial behavior (-.26)(Gaughan, et al., 2012)	
		Compliance	0.59		
		Modesty	0.67		
		Tender-Mindedness	0.56	- Callous affect (-.56) (Gaughan et al., 2012)	
	Conscientiousness	Competence	0.67		
		Order	0.66		
		Dutifulness	0.62	- Dysregulation / Disinhibition (-.49) (Gaughan et al, 2009)	
		Achievement	0.67	+ Supervisor rating (.23) (Piedmont & Weinstein, 1994)	
		Striving			
		Self-Discipline	0.75	- Attachment anxiety (-.35) (Nofle & Shaver, 2006); - Dysregulation / Disinhibition (-.51) (Gaughan et. al, 2009)	
		Deliberation	0.71	- Erratic life-style (-.57) (Gaughan et al., 2012); - Alcohol related problems (-.38) (Ruiz et al., 2010)	
BFI-2			(Soto & John, 2016)		60
	Extraversion				
		Sociability	0.83	- Conformity (-.36), - Tradition (-.24), + Stimulation (.21), + Positive affect (.32)(Soto & John, 2016)	

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IPIP- NEO- 120		Assertiveness	0.8	+ Power (Soto & John, 2016)	120
		Energy level	0.74	+ Purpose in life (.53), + Self-acceptance (.53), + Social connectedness (.33) (Soto & John, 2016)	
		Agreeableness			
		Compassion	0.68	+ Benevolence (.47), - Power (-.44), + Positive relations (.41) (Soto & John, 2016)	
		Respectfulness	0.66	+ Conformity (.39) (Soto & John, 2016)	
		Trust	0.75	+ Universalism (.21), + Likability (.25) (Soto & John, 2016)	
		Conscientiousness			
		Organization	0.76	+ Security (.30) (Soto & John, 2016)	
		Productiveness	0.74	- Hedonism (-.35), + Achievement (.26), + Environmental mastery (.56) (Soto & John, 2016)	
		Responsability	0.68	- Stimulation, + Autonomy (Soto & John, 2016)	
		Negative Emotionality			
		Anxiety	0.79	- Autonomy (-.32) (Soto & John, 2016)	
		Depression	0.74	- Positive relations (-.56), - Purpose in life (-.55), - Environmental mastery (-.65), -Self-acceptance(-.68), - Positive affect (-.42) (Soto & John, 2016)	
		Emotional Volatility	0.7	- Stress resistance (Soto & John, 2016)	
		Open-mindedness			
		Intellectual curiosity	0.78	+ Self-direction (.44), + Personal growth (.50) (Soto & John, 2016)	
		Aesthetic Sensitivity	0.67		
		Creative Imagination	0.67		
		Neuroticism			
		Anxiety	0.78		
		Anger	0.87		
		Depression	0.85		
		Self-Consciousness	0.74		
		Inmoderation	0.72	+ Hangover symptoms (.35) (McAdams & Donnellan, 2009)	
		Vulnerability	0.76		

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	Extraversion				
		Friendliness	0.81		
		Gregariousness	0.79		
		Assertiveness	0.85		
		Activity Level	0.71		
		Excitement	0.77		
		Seeking		+ Alcohol Use (.45), + Drinking problems (.37) (McAdams & Donnellan, 2009)	
		Cheerfulness	0.8	+ Addictive mobile phone usage style (.28) (Siddiqui, 2011)	
	Openness to Experience				
		Imagination	0.83		
		Artistic interests	0.76		
		Emotionality	0.69		
		Adventurousness	0.72		
		Intellect	0.75		
		Liberalism	0.64	+ Trendy mobile phone usage style (.31) (Siddiqui, 2011)	
	Agreeableness				
		Trust	0.86		
		Morality	0.76	+ Thrifty mobile phone usage style (.48) (Siddiqui, 2011)	
		Altruism	0.76		
		Cooperation	0.73		
		Modesty	0.76		
		Sympathy	0.72		
	Conscientiousness				
		Self-Efficacy	0.63		
		Orderliness	0.83		
		Dutifulness	0.69		
		Achievement-striving	0.8	+ Academic Performance (.23) (Rosander, Bäckström & Sternberg, 2011)	
		Self-Discipline	0.73	+ General health behaviors (.27) (Hagger-Johnson & Whiteman, 2007)	
		Cautiousness	0.87		

*Note:*

Reliability: Cronbach's alpha measures, retrieved from references in the reliability column

Validity: criterion (correlation coefficient) and reference. The most important criterion per reference has been retrieved in the table, one per direct and one per inverse relations.  $r > .20$  to be included in the table