

Quantifying Relations between Type A Behavior and the Five Factor Model of Personality

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Purpose

The goal of the present study was to quantify the relationship between Type A Behavior (TAB) and the Five Factor Model of Personality.

What is Type A Behavior?

First described by Friedman and Rosenman, who studied coronary disease patients, Type A refers to a pattern of behavior primarily characterized by *“intense ambition, competitive drive, constant with preoccupation occupational deadlines, and a sense of time urgency”* (1959, p. 1286).

The Big Five & Ten Aspects Model

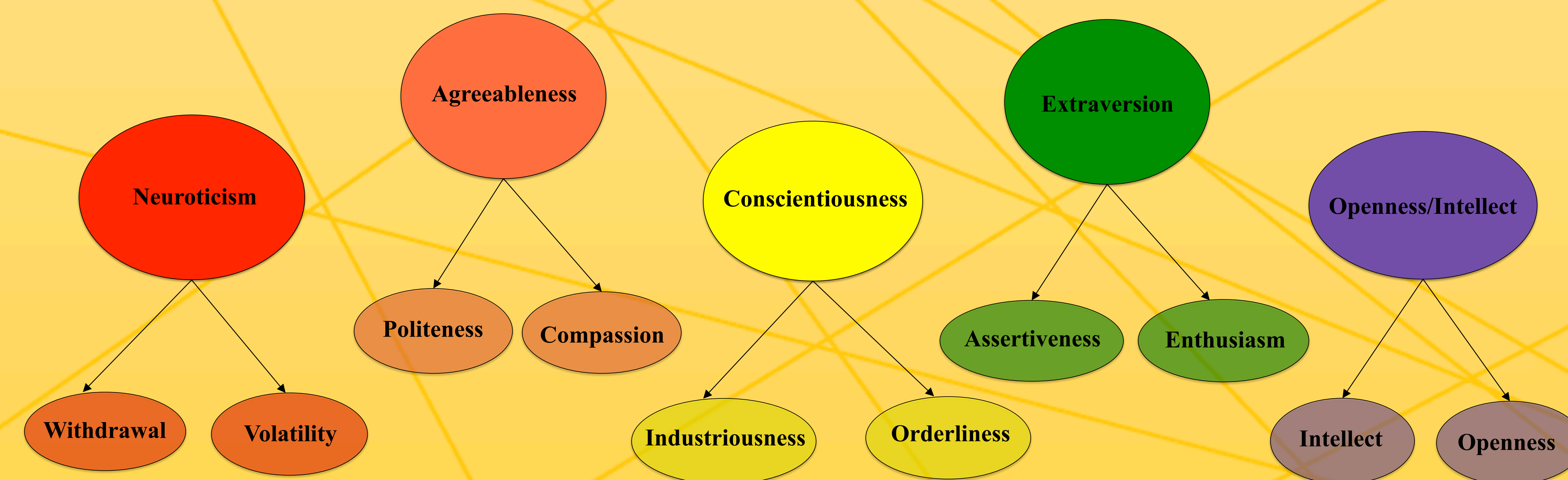


Figure 1. Big Five Aspects Model (DeYoung, Quilty, & Peterson, 2007)

Table 1.: Corrected correlation coefficients

Conclusion

- ❖ Type A and Glass’s (1977) **Hard-Driving** subscale was positively and moderately correlated with **Conscientiousness**, **Extraversion** (the Assertiveness aspect) and the Intellect aspect of **Openness/Intellect**.
- ❖ Type A behavior is a **compound personality trait** consisting of aspects of **Conscientiousness**, **Extraversion** and **Openness/Intellect**.
- ❖ Analyzing the Big Five at the aspects level makes the present study the most thorough investigation on the relationship between TAB and the Big Five thus far.

	TAB $\alpha = .68$	Hard-driving $\alpha = .58$	Speed/ Impatience $\alpha = .49$	Cronbach's α
Neuroticism	.08	-.16	.37	.87
Volatility	.15	-.08	.38	.81
Withdrawal	.01	-.23	.32	.79
Agreeableness	-.07	0	-.30	.84
Compassion	.03	.06	-.21	.82
Politeness	-.16	-.07	-.32	.74
Conscientiousness	.28	.57	-.22	.84
Industriousness	.20	.52	-.28	.82
Orderliness	.31	.50	-.10	.74
Extraversion	.35	.43	-.08	.84
Enthusiasm	.10	.19	-.16	.78
Assertiveness	.52	.58	.01	.78
Openness/Intellect	.05	.03	.02	.80
Intellect	.28	.35	-.14	.76
Openness	.02	-.02	-.09	.71

Note. Bolded correlation coefficients are significant at the 0.05 level; $N=846$

References:



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Method

Instruments: Qualtrics Online Survey

- Student Jenkins Activity Scale (Yarnold et al., 1986)
- Big Five Aspects Scale (DeYoung, & Peterson, 2007)
- Demographic Survey

Subjects:

- Psychology students ($N = 305$)
- MTurk workers ($N = 558$)

Correlations between scores on the Type A Personality and on the Big-Five Aspects Scale were computed and corrected for measurement error.



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