



ELSEVIER

Research on the relationship between personality and individual differences

X L, M, Q, X, A W

Department of Psychology, Peking University, Beijing 100871, China
Learning and Cognition Laboratory, Capital Normal University, Beijing 100037, China
Miami University, USA

R 30 N 2004; f 18 A t 2005; t 10 O t 2005
A 7 D 2005

Abstract

The present study examined the relationship between personality and individual differences in the context of the Big Five model of personality. The study included two experiments. In Experiment 1, 100 participants completed a series of personality tests and a series of individual difference tests. In Experiment 2, 100 participants completed a series of personality tests and a series of individual difference tests. The results of the two experiments showed that there was a significant relationship between personality and individual differences. The results also showed that the relationship between personality and individual differences was mediated by the Big Five model of personality.

© 2005 Elsevier Ltd. All rights reserved.

Keywords: Att t ; A t'; E t ; D t - t ; T t t

1. Introduction

Several studies have shown that personality and individual differences are related. For example, Eysenck (1957), Meeus, Meesters, & Teegelen (1986), Meeus & Meeus (1994), Wiggins (1987), Meeus, Meesters, & Meeus (1997) have all found significant relationships between personality and individual differences.

* Corresponding author. Address: Department of Psychology, Peking University, Beijing 100871, China. E-mail addresses: xlx@163.com (X. L.), mq@163.com (M. Q.), xlx104@163.com (X. L.).

... (W..., 1997). S...
 ... (M..., M..., & E..., 1992; T..., L..., P..., C..., &
 P..., 1996) ... HTA (K..., D..., G..., & H...,
 2001; W..., M..., & M... L..., 1996; W..., 1997).
 W... (1976) ... B... (1981) ... ? B...
 ... (HTA) ... HTA
 ... (M..., 1990; M... & B..., 2002; M..., M..., & W...,
 1987). T... (M..., B..., M..., & D..., 2004).
 U... (B..., M..., F..., & H..., 1998; K..., V..., C..., & D...,
 2005; M..., B..., B..., & P..., 1997; M..., 2004; R..., 2002). I...
 ... (2002) f... HTA ...
 ... f 1500 ... M... (2004) f...
 ... f 500 ... f... t... t... f 1500 ... I...
 ... HTA ... t... t... t... f 100 ... f... t... t... t... 1250 (K... t..., 2005). B... t...
 ... f... t... f... t... (B..., 1998; M..., 1997).
 A... (t...) ... T...
 H... P... (2004) ...
 ... (t... t...). W... t... t... t... t... (t... t...
 ... f 50 ... f... t... t... t... t... t... t...
 ... H... f...
 S... f... t... t... t... t... t... t... t... t... t... t...
 ... T... t... t... t... t... t... t... t... t... t...
 t... A... f... t... t... (M..., 2000, 2004) ... t... t...
 ... t... t... t... t... t... t... t... t... t... t... t...
 ... E... t... t... t... t... t... t... t... t... t... t...
 ... (B...
 ... f... t... t... t... t... t... t... t... t... t... t...

f t t t t t f t t t f t t t -
 t' tt t (M t ., 2000). P t t f t ,
 t f tt t t t t t t t t t t f -
 t f f t .

2. Method

2.1. Participants

A t t f 41 t' yr t t t f t' yr B , C , -
 t t t t t. O t t t t t f -
 (9% f t t t t t 1%). T
 t t t t t t t t (HTA) t t t (LTA) ' yr
 t (36) f t C f t t t t t t' yr t' yr (STAI, t
 $\alpha = 0.87$ f STAI-t t $\alpha = 0.87$ f STAI-t t ; L & Q , 1995; S , G , L -
 , V , & J , 1983

t t' 2 2 t t (t t) t t t f f
 t t .P t t t t ft t' 2 2 t t' 2
 t t t t t t t ft ft t t .T
 t t t t t t t t t t t t
 T , t t .T t -t t t' 2 2 500 1500 .
 T 12 t t (t -t t t t t f -
 t), f t' 2 2 .E 72 t .T t ft
 t t t t t t , t t t t
 t t' 2 2 ft t t f t , t t t t -t t t
 t , t t t t f t t.

2.4. Procedure

P t t f t t t t t t f t
 IAPS, ft 2 2 t t t , t' 2 2 t f t t' 2 2 .P t -
 t t t t t t (t -t t t t t
 f t), f t' 2 2 f t .T' 2 2 t ,
 t t C f STAI BDI. It t ≈25 t t t t t.

3. Results

Aft t t t (RT) t t t t t
 900 t 200 t .T f t t 1%
 f t , t t t t' 2 2 t t t
 t .T t t (RT), ft t t t -
 t' 2 2 t t t t t t t t
 t t -t t t t .T 1 t t RT t
 t .Att t t t' 2 2 t t RT t t

T	M	1	(SD)	LTA	HTA	t t' 2 2 f t						
						E t	1 t	2	3	4t		
H	t	t	LTA	T	t	462 (80)	455 (86)	440 (55)	421 (62)			
						N	-t	t	468 (81)	448 (80)	437 (72)	411 (52)
						HTA	T	t	478 (77)	465 (58)	454 (61)	462 (50)
							N	-t	t	488 (77)	487 (60)	474 (68)
M	t	t	LTA	T	t	448 (84)	449 (86)	424 (55)	422 (64)			
						N	-t	t	445 (75)	446 (72)	430 (65)	415 (55)
						HTA	T	t	458 (71)	461 (59)	449 (60)	431 (64)
							N	-t	t	467 (73)	461 (62)	455 (57)

Attended (Att) and RT (Reaction Time) were measured. A 2 × 4 × 2 ANOVA (Att, Exposure Occasion, HTA/LTA) was conducted. $F(1, 38) = 6.41, p < 0.05$, $F(3, 114) = 3.04, p < 0.05$. $F(3, 114) = 3.19, p < 0.05$. $N(t) = 2.07, p > 0.1$; $F(1, 38) < 1$. $F(3, 114) = 2.96, p < 0.05$, ($F = 1$). $F(1, 38) = 5.12, p < 0.05$, $F(3, 114) = 4.40, p < 0.01$, $F(3, 114) = 2.96, p < 0.05$, ($F = 1$). $F(1, 38) = 5.56, p < 0.01$. $F(1, 19) = 6.49, p < 0.05$, $F(1, 19) = 11.36, p < 0.01$. $F = 1$. $N(t) = 2.07$.

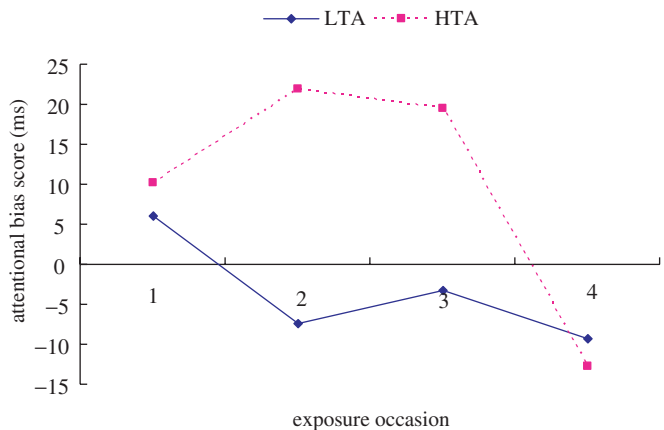


Fig. 1. Attentional bias score (ms) over four exposure occasions for LTA and HTA groups.

4.1. Initial capture of attention by threatening pictures

P (K t t ., 2005), t (. . M -
 L t ., 1986), t t' (H & P , 2004) f t t f
 t (t) t t tt t ' H , t t
 t ' tt t f t t t ' H , t t
 HTA t t t .T t t t t t f t
 t .S ' t t t t .O t' t t t -
 t t t t t t t t t t
 f t t .A t t tt t t t t
 t f t t t t f t
 t t t t .T t t t t
 t ' t t f t t t t t t t
 t ' K t t .(2005) f t t .W
 t t t t t t t ' t , M
 t .(2000) Y M t (2001), t t t t f t -
 t t ' Y t t t tt t t ' t f tt t
 t t t t t ' t t .T t t t f t t ' -
 t t t t t t t t t t t t t
 .T t' t t ' tt t t t
 t t t .
 M t t t' t t t' t tt t t t t
 t t t t t HTA , t -
 t ' t t .T t ' t t t t t
 f K t t .(2005) t t t t f f
 t .
 T tt t t tt t t t t t t t -
 t t t' t t t t t' f t tt t t
 t H P (2004). A t t t t ,
 t t , ' t t' t tt t (B ' ., 1998)
 ' t t t , ' t f t t tt t
 t t t t t t t t
 N t tt t f f t t t t
 t' t t ' t .T t t t M
 t .(2000, 2004) t M t .(2000) tt ' t
 t t LTA t (t t t t t) .H , t ' -
 f K t t .(2005), HTA tt t t t -
 t .O ' t f t t .A , t
 t t t t f f t t ' K t t .(2005),
 t t t ' ' t t .A t t' ' -
 t t t t .I t ' K t t .(2005), t -
 t t t , t t t' t t t ft t
 t .

4.2. Variation of attentional bias over exposures

M t t t t t f tt t t t -
 t t t t t (B ' , 1998; K t
 t ., 2005; M t ., 1997; M t ., 2004). M t . (2004) t t ft t
 t tt t t t t 500 , t tt t
 f t 1500 HTA .I t , t f tt t
 t t t t t , t t t t "Ⓣ"
 ' (M t , 1990). I t t ' , HTA t f -
 f t t t t f 1250 ft t tt t t t t -
 t f 100 (K t t ., 2005). T t tt t t f t t t -
 t ' ' t t t ' t t t t . P t -
 t ft t ' t ft f t .
 I t t, t t t t t ' ' t t ' ,
 t f t t .
 T ft t t ' t tt f B (1976) B (1981) t t
 t ft f tt t t t f ' t tt t t t t
 ' .H , t t t t f H
 P (2004) t t t t t t t
 t' ft t t t t t t . W t t -
 t' ' .I t ft ft t t t t
 , t t t . T t t tt t t t t t
 t t ft , t f , tt t' t t tt t .
 W ' tt t t t t t t t t
 ? It t t ft t t , t t t t t t
 t' t t tt t . At t ' ,
 f t t t- t f t t t t
 t t ft t . V t t . (2004), f t t -
 t t t 12 t t t t t t
 t t t ' (PET). P t t t
 t t MTL (t -
). Aft t t t t t t t ' , HTA
 t t t t tt t .
 Af t t t t . T t t t t t ' ,
 . A t t t t t t t t -
 t t HTA LTA . A t t t HTA LTA
 t ft STAI-t t . A t t t t ,
 t t t t t ' t f t t
 t ' t t t t f t t' f' ' ,
 t t t . O t t , t f t t
 t t t t t t
 (. . A & P t, 2002; M t ., 1997; M t ., 2000; R , 2002). I -
 t , t t t t t t ' f t t t

A (B, 2001). T (M, 1978). F (HTA, LTA)

I (U, I)

T (P, C)

Acknowledgements

T (P, C)

References

A, C., & P, M. A. (2002). T Personality and Individual Differences, 32, 715–728.

B, D. H. (Ed.). (2001). Clinical handbook of psychological disorders: A step-by-step treatment manual. New York: Guilford Press.

B, A. T. (1976). Cognitive therapy and the emotional disorders. New York: International Universities Press.

B, A. T., W, C. H., M, M., M, J., & E, J. (1961). A Archives of General Psychiatry, 4, 561–571.

B, G. H. (1981). M American Psychologist, 36, 129–148.

B, P., M, K., F, S. J., & H, L. R. (1998). Att Cognition and Emotion, 12, 737–753.

E, M. (1997). Anxiety and cognition: A unified theory. Hove, UK: Psychology Press.

H, C. R., & P, H. E. (2004). Att Psychological Science, 15, 171–178.

K, E., D, C., G, G., & H, C. (2001). S Journal of Anxiety Disorders, 15, 299–315.

K, E. H. W., V, B., C, G., & D, S. V. (2005). T Behaviour Research and Therapy, 43, 1087–1098.

L, P. J., B, M. M., & C, B. N. (1995). International affective picture system: Technical manual and affective ratings. Gainesville, FL: University of Florida.

L., W., & Q., M. (1995). R... *Acta Scientiarum Naturalium Universitatis Pekinensis*, 31, 108–114.

M. L., C., M. t., A., & T. t., P. (1986). Att... *Journal of Abnormal Psychology*, 95, 15–20.

M., I. M. (1978). B... I. S. L. G. & A. E. B. (Eds.), *Handbook of psychotherapy and behavior change* (pp. 493–547). New York: Wiley.

M. t., A. (1990). W... *Behaviour Research and Therapy*, 28, 455–468.

M. t., A., & M. L., C. (1994). C... *Annual Review of Psychology*, 45, 25–50.

M., K., & B., P. (2002). S... *Behaviour Research and Therapy*, 40, 1403–1414.

M., K., B., P., B., J., & P. t., M. (1997). T... *Behaviour Research and Therapy*, 35, 297–303.

M., K., B., P., M., F., & D. t., R. (2004). T... *Cognition and Emotion*, 18, 689–700.

M., K., M. t., A., & E' t., M. (1992). Att... *Cognition and Emotion*, 6, 149–159.

M., K., M. t., A., & W., J. (1987). M... *Journal of Abnormal Psychology*, 96, 94–98.

M., K., M. N., J., P., M., R., H., S., A., & B., P. (2000). S... *Cognition and Emotion*, 14, 339–375.

R., J. (2002). T... *Cognition and Emotion*, 16, 837–844.

S., C. D., G., R. L., L., R., V., P. R., & J., G. A. (1983). *Manual for the state–trait anxiety inventory, STAI (form Y): Self-evaluation questionnaire*. Palo Alto, CA: Consulting Psychologists Press.

T. t., P., L., J., P., M. J., C., M., & P., A. D. (1996). Att... *Behaviour Research and Therapy*, 34, 53–60.

V. t., D. J., T., W. E., W., D., L., A. A., W. t., M. P., D., R. J., t. (2004). *Psychiatry Research: Neuroimaging*, 132, 149–158.

W., J. M. G., M. t., A., & M. L., C. (1996). T... *Psychological Bulletin*, 129, 3–24.

W., J. M. G., W. t., F. N., M. L., C., & M. t., A. (1997). *Cognitive psychology and the emotional disorders* (pp.). Chichester, UK: Wiley.

Y., J., & M. t., A. (2001). A... *Quarterly Journal of Experimental Psychology*, 54A, 665–681.

, Y., W., Y., & Q., M. (1990). B... *Chinese Mental Health Journal*, 4, 164–168.