

:

*

(- -) (- -) ()
: (786) (500)

.()

:

(Eysenck, 1992; Zuckerman, .
Kuhlman, Joireman, Teta and Kraft, 1993)

(Eysenck, Eysenck and Barrett, 1985)

)

.(2003

2002

Extraversion

Neuroticism

dimensions " "

.Psychoticism

.(Eysenck, 1970; Eysenck and Eysenck, 1975)

()

(Eysenck, 1970)

:

.Guilford

Cattel

The

Big Five Factors

(e.g. Extraversion Costa

Neuroticism

.and McCrae, 1992a, 1992b)

.(Eysenck and Eysenck, 1977)

self-control " "

operant

(1 :

behavior

tolerance of delayed reinforcement

2003/12/22

.2004/9/23

*

(Nirmala and Swaminathan, 1985; McCrae, (2 .
 Costa, and Bosse, 1978; McManus and Weeks, 1982; ()
 (e.g. Wakefield, 1989)
 .Papakyriazi and Joseph, 1998) interresponse time
 schedule (IRT) (Aislie, 1974; Herrnstein, 1981; Logue,
 (e.g. McCrae et al., 1978; .1988; Mazur, 1987; Rachlin, 1991).
 Papakyriazi and Joseph, 1998; Patton et al., 1993)
 (Nirmala and Swaminathan, 1985;
 .McManus and Weeks, 1982)
)
 . ()
 / :
 . (1
 .(EPQ-R) (2
 () (3
 :
 .(Eysenck and Eysenck, 1977)
) liveliness
 (Lajunen, 2001) ()
 (Smith and Kirkham, 1981)
 .(Matthews, Lisa and Glendon, 1991) (Eysenck,
 1970)
 :
) ()
 ((e.g. Arai, Hosokawa, Fukao, Izumi and ()
 : .Hismichi, 1997; Patton, Barnes and Murray, 1993)
 ()

(1)

:

78		95	
167		94	
205		49	
61		44	
48		55	
51		44	
54		74	
57		16	
59		13	
6		16	
786		500	
17		96	

(2)

1.18	20.1	10.7	2.49	11.08	9.88	
1.19	4.81	3.98	2.01	3.98	5.17	

(3)

16.23	16.83	
7.92	3.94	

(4)

18.77	12.1	11.95	15.85	
5.64	3.96	4.31	5.66	

(5)

*0.13	*0.157-	0.192	0.115	*0.122	
0.001-	0.045	0.12	0.056	0.077	
* 0.106-	0.077	0.036-	0.11-	*0.099-	
0.019	0.019	0.191-	0.087	0.079	

0.05 *

(6)

**0.13-	0.04	
0.036-	0.02	
0.023	0.04-	

0.01 **

(7)

371	440	83	96	473	

(8)

*0.108	0.091	0.077	*0.122	

0.05 *

(9)

*0.101	0.078	*0.101	*0.104	

0.05 *

(2002)

()

(EPQ-R)

()

%2

()

(3) (2) - 0.76 - 0.85

(4) 0.58 -

(5) : () : ()

(2003 2002

() ()

() ()

(7) : ()

(5) :

(6)

() ()

() (0.05) :

()

" "

partial correlation coefficient

() :

(0.0665) () (786) (500)

(1)

(1) (17)

(0.066)

self-imperson management
(Paulhus, 1984, 1991) deception)
(e.g. Eysenck (and Eysenck, 1975)
(. (see Paulhus, 1984)

() (Eysenck and Eysenck, 1975)
((Zuckerman, 1984)
(72 372) ()
()
(2002)
(2002)

(8) :
()
(.
Paulhus " " :
(Eysenck and Eysenck, .1977)
:

.(Paulhus, 1984, 1991) ()

(10)
:()

	" "					
0.001	9.04	188.97	6	1133.8		
		20.92	405	8471.1		
			411	9604.86		
	1.08	1.47	6	8.778		
		1.35	333	450.63		
			339	459.41		

(11)
()

			*			19.07	94	
*						21.4	75	
*	*	*			*	23.73	49	
			*			20.33	45	
			*			19.2	55	
			*	*		18.18	44	
			*			19.08	50	

(12)
()

	" "					
0.001	9.7	283	6	1698.2		
		29.2	579	16890.1		
			585	18588.4		

(13)
()

						17.81	78	
						18.04	166	
*						19.2	205	
						15.3	9	
						21.06	17	
			*			16.23	52	
*		*	*	*	*	22.8	59	

() ()

(40)

(11)

(13)

(9)

" " " "

()

(10)

(1 :

(11)

(2.

.Scheffe " "

(13) (12)

" "

()

:

(collectivism)

(Triandis, Bontempo, Villareal, Asai, and individualism Lucca, 1988; Triandis, 1989).

2002)

()

.(2002

" " "

.(Eysenck, 1970)

Educational and Industrial Testing Service.

Eysenck, S. B., Eysenck, H. J. 1977. The Place of Impulsiveness in a Dimensional System of Personality Description. *British Journal of Social and Clinical Psychology*, 16: 57-68.

2002

:

.231-207 18

Eysenck, S. B., Eysenck, H. J. and Barrett, P. 1985. A Revised Version of the Psychoticism Scale. *Personality and Individual Differences*, 6: 21-29.

2002

EPQ-R

Herrnstein, R. I. 1981. Self-control as Response Strength. In: C.M. Bradshaw, E. Szabadi and C.F. Lowe (eds.), *Quantification of Steady-State Operant Behaviour*, Amsterdam: Elsevier/North-Holland.

.508-468

2003

EPQ-R

()

Lajunen, T. 2001. Personality and Accident Liability: Are Extraversion, Neuroticism and Psychoticism Related to Traffic and Occupation Fatalities? *Personality and Individual Differences*, 31: 1365-1373.

Ainslie, G.W. 1974. Impulse Control in Pigeons. *Journal of Experimental Analysis of Behavior*, 21: 485-489.

Logue, A. W. 1988. Research on Self Control. *Behavioral and Brain Sciences*, 11: 665-709.

Arai, Y., Hosokawa, T., Fukao, A., Izumi, Y., and Hisamichi, S. 1997. Smoking Behaviour and Personality: A Population-based Study in Japan. *Addiction*, 92: 1023-1033.

Matthews, G. Dorn, L., and Glendon, A. I. 1991. Personality Correlates of Driver Stress. *Personality and Individual Differences*, 12: 535-549.

Costa, P. T. and McCrae, R. R. 1992a. Four Ways Five Factors Are Basic. *Personality and Individual Differences*, 13: 653-665.

Mazur, J. E. 1987. An Adjusting Procedure for Studying Delay Reinforcement. In: M. L. Commons, J. E. Mazur, J. A. Nevin and H. Rachlin (eds.), *Quantitative Analysis of Behaviour, Vol. 5: The Effects of Delay and of Intervening Events on Reinforcement Value*. Hillsdale, NJ: Erlbaum.

Costa, P. T. and McCrae, R. R. 1992b. Four Ways Five Factors Are Not Basic. *Personality and Individual Differences*, 13: 861-865.

McCrae, R. R., Costa, P. T. and Bosse, R. 1978. Anxiety, Extraversion and Smoking. *British Journal of Social and Clinical Psychology*, 17: 269-273.

Eysenck, H. J. 1970. *The Structure of Human Personality*. London: Methuen, 3rd. Ed.

McManus, I. C., and Weeks, S. J. 1982. Smoking,

Eysenck, H. J. 1992. Four Ways Five Factors Are Not Basic. *Personality and Individual Differences*, 13: 667-673.

Eysenck, H. J. and Eysenck, S. B 1975. *Manual of the Eysenck Personality Questionnaire*. San Diego:

- 3rd Ed. New York: Freeman.
- Smith, D. I., and Kirkham, R. W. 1981. Relationship Between Some Personality Characteristics and Driving Record. *British Journal of Social Psychology*, 20: 229-231.
- Triandis, H. C. 1989. The Self and Social Behavior in Different Cultural Context. *Psychological Review*, 96: 506-520.
- Triandis, H. C., Bontempo, R., Villareal, M. J., Asai, M., and Lucca, N. 1988. Individualism and Collectivism: Cross-cultural Perspectives on Self-ingroup Relationships. *Journal of Personality and Social Psychology*, 54: 323-338.
- Wakefield, J. 1989. Personality, Health and Cigarette Smoking. *Personality and Individual Differences*, 10: 541-546.
- Zuckerman, M. 1984. Sensation Seeking: A Comparative Approach to a Human Trait. *Behavioral and Brain Sciences*, 7: 413-471.
- Zuckerman, M., Kuhlman, D.M., Joireman, J., Teta, P., and Kraft, M. 1993. A Comparison of Three Structural Models for Personality: The Big Three, the Big Five, and the Alternative Five. *Journal of Personality and Social Psychology*. 65: 757-768.
- Personality and Reasons for Smoking. *Psychological Medicine*, 12: 349-356.
- Nirmala, M. L. and Swaminathan, V. D. 1985. Cigarette Smoking and Personality. *Social Defence*, 20: 25-29.
- Papakyriazi, E. and Joseph, S. 1998. Individual Differences in Personality Among Smokers and their Association with Smoking Motivation, Social Skills Deficit, and Self-efficacy to Quit. *Personality and Individual Differences*, 25: 621-626.
- Patton, D., Barnes, G. E., and Murray, R. P. 1993. Personality Characteristics of Smokers and Ex-smokers". *Personality and Individual Differences*, 15: 653-664.
- Paulhus, D. L. 1984. Two-component Models of Socially Desirable Responding. *Journal of Personality and Social Psychology*, 46: 598-609.
- Paulhus, D. L. 1991. Measurement and Control of Response Bias. In J. P. Robinson, P. R. Shaver, and L. S. Wrightsman (Eds.), *Measures of Personality and Social Psychological Attitudes* (pp. 17-59). San Diego, CA: Academic Press.
- Pestonjee, D. M., and Sigh, U. B. 1980. Neuroticism-extraversion as Correlates of Accident Occurrence. *Accident Analysis and Prevention*, 12: 201-204.
- Rachlin, H. 1991. *Introduction to Modern Behaviorism*.

The Relationship between Personality Factors and Some Impulsivity Variables: Smoking, Response Time and Frequency of Car Accidents

*Abdullah S. A. Al-Rowaiti' and Hmoud H. Al-Sharif**

ABSTRACT

A sample of 500 male and 786 female Saudi university students completed Eysenck Personality Questionnaire-Revised (EPQ-R) in order to investigate the relationship between personality factors (neuroticism, extraversion and psychoticism) and self-control vs impulsivity-related variables (smoking, response duration to the questionnaire, and frequency of car accidents). Results showed that only the correlation coefficients for neuroticism were significant. Also, manipulating the data according to the lie scale scores yielded different results.

Keywords: Neuroticism, Extraversion, Psychoticism, Impulsivity, Smoking.

* Department of Psychology, Faculty of Educational Sciences, King Saud University, KSA. Received on 22/12/2003 and Accepted for Publication on 23/9/2004.