MEASURING UNFAMILIAR FACE PROCESSING SKILLS:

Validation of The Cambridge Face Memory Test and The Glasgow Face Matching Test for Turkish Sample

Ayşegül AYDINLIK Aycan KAPUCU Sonia AMADO

Ege University, Department of Psychology, 35100, Izmir, Turkey

INTRODUCTION

- > Large individual differences in face recognition performance for unfamiliar faces:
 - Prosopagnosics Super Recognizers (SRs) (Russell, Duchaine, & Nakayama, 2009)
- > Two frequently used face processing assessments:
 - Cambridge Face Memory Test & Glasgow Face Matching Test \bullet
- Normative data for Turkish sample is not studied

Aims:

- > Assess the reliability of Cambridge Face Memory Test and Glasgow Face Matching Test for Turkish sample.
- Investigate the effects of professional experience on:
 - the ability to recognize unfamiliar faces
 - the ability to match unfamiliar faces
 - insights into one's own face recognition abilities

METHODS		Cambridge Face Memory Test
Studied with two samples:	Self Evaluation For	Target
University students: N = 71, Age = 23.11 (5.52)	Are you easily able to recognize and identify faces of people you already met?	







	Duchaine & Nakayama, 2006 (n = 50)	University Students (n = 71)	Security Officers (n = 83)
	Mean (SD)	Mean (SD)	Mean (SD)
Introduction	17.82 (0.44)	17.63 (1.00)	17.19 (1.55)
Novel images	23.74 (4.31)	21.65 (5.85)	18.39 (5.24)
Novel images with noise	16.36 (4.02)	15.14 (4.72)	12.16 (4.19)
Total	57.92 (7.91)	54.42 (10.06)	47.98 (9.23)

DISCUSSION & CONCLUSION

- > Reliability of Cambridge Face Memory Test for samples of both university students (alpha = .909) and security officers (alpha = .865) as well as reliability of Glasgow Face Matching Test for samples of both university students (alpha = .882) and security officers (alpha = .934) were confirmed.
- > Consistent with the previous literature on the relationship between face recognition and face matching skills, significant correlation between Cambridge Face Memory Test and Glasgow Face Matching Test scores for both university students (r = .51, p < .001) and security officers (r = .40, p < .001) were observed.
- > Face recognition memory and face matching skills, as well as evaluation of self-performance, may be independent of experience.
 - Cambridge Face Memory Test scores of university students (M = 54.42, SD = 10.06) are higher than security officers' performance (M = 47.98, SD = 9.23). Similarly, Glasgow Face Matching Test scores of university students (M = 155.38, SD = 9.40) are higher than security officers' performance (M = 143.39, SD = 15.55). These performance differences are statistically significant (p < .001)
 - > While self evaluation scores are correlated with both Cambridge Face Memory Test and Glasgow Face Matching Test scores of university students, however, no such relation is observed for security officers. Self evaluation scores of security officers might be affected by social desirability.

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