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Comparative Study on the Level of Empathy and Emotional Intelligence in Adult Life

Cornelia Sterie D*

Ovidius University of Constanta, Romania

Abstract

This study examines the variations in emotional intelligence and empathy between young and elderly persons, as well as how these traits affect daily life. The tests were applied to a group of 60 subjects, all representing the female gender. Participants belong to the age range between 16 and 80 years. Given the presented, the objectives of the paper are: To ascertain the differences in emotional intelligence and empathy between the two age groups. Only in the instance of emotional intelligence was the theory supported by statistical calculations. When it comes to empathy, there were no statistically significant differences, and the studies found explain why. Our premise is that these traits must be developed by any citizen, regardless of their status (educator, businessmen and leaders) in order to grow and develop the best quality of life.

Keywords: Adults, Differences, Empathy, Emotional intelligence

Introduction

Empathy

Theodor Lipps, who introduced the term empathy into psychology at the beginning of the $20^{\rm th}$ century, is considered the father of the theory of empathy. In addition, the term empathy was introduced into clinical psychology in 1905, when Freud mentioned it in his work "Words of the Spirit" and in 1921 in "The Psychology of Crowds and Self-Analysis". 2,3

Hogan, Premack and Woodruff and other early researchers and theorists claimed that empathy is primarily comprehending another person by understanding their thoughts, intentions, feelings, and beliefs. ^{4,5} The founder of the Romanian school of empathy, Marcus, believes that empathy is a psychological phenomenon of experiencing the states, thoughts and behavior of others, achieved by transforming self-psychology into an objective model of human behavior

and through which it is possible to understand how another person interprets the world.⁶ Present within "any relational behavior of the individual", empathy can become a skill, a distinct, special competence, absolutely necessary for the exercise of professional roles.³

Because their importance and ubiquity, extensive research focus on the role and impact of empathy subsequent behavior and underlying mechanisms.^{7,8}

These studies primarily emphasize the role of empathy in our responses to the physical pain of others, the situation of translating to the other side gives us the opportunity to establish a filter of understanding, but above all to understand the interlocutor and expect certain actions. This helps develop a true "joint strategy".³

Leonardo Badea and Nicolae Alexandru Pana 9 explain the importance of this phenomenon: Empathic concern is the tendency to feel empathy and to care about feeling others. 10

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*Corresponding author: Daniela Cornelia Sterie, Ovidius University of Constanta, Romania



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Emotional intelligence

The concept of emotional intelligence (EI) was first proposed by Salovey and Mayer.¹¹ It describes the capacity to identify, feel, and manage one's own emotions as well as those of others.The term emotional intelligence was first used academically by Wayne Leon Payne in his doctoral dissertation in 1985.¹²

Daniel Goleman¹³ described emotional intelligence as occasionally stronger than IQ in prognosticating success in life. He suggests that a high position of emotional intelligence can ameliorate interpersonal and professional connections, help develop problemworking chops, increase effectiveness, and lead to new strategies. Likewise, Por and his associates¹⁴ tell us that people with high emotional intelligence tend to have advanced social competencies and richer forms of social.

Understanding the concepts and meanings of emotions, their interactions, the causes behind them, and how to solve problems based on them is what is meant by having emotional intelligence. ¹⁵ Instead, the characteristics of emotional intelligence are seen as a constant group of characteristics connected to how a person gestates, expresses, and comprehends feelings. ¹⁶ Emotional intelligence, according to Mayer, ¹⁷ also refers to the capacity to integrate intelligence, empathy, and emotion to improve reasoning and comprehension of interpersonal dynamics.

It was observed in the literature that gaps in emotional intelligence capacities affect individualities in both prefessional life and other spheres. further studies demonstrated that high emotional intelligence is associated with lesser well- being in all areas. 18-22

Recalling Goleman's¹³ theory that emotional intelligence is a construct of socio-emotional skills that supports the logical dimension of personality and enhances adaptability in every environment, we can draw this conclusion.

The explanatory model of personality proposed by costa and McCrae (Big five)

Costa and McCrae^{23,24} present their concept for the five superfactors of personality evaluation for the first time in July 1994 in Madrid (the Big five model). According to Costa and McCrae, the basic characteristics of neuroticism, extraversion, affability, and meticulousness show as abecedarian psychological dispositions. We shall succinctly outline the factors that frame the structures of our study from these five factors.

Agreeableness

The angles of this dimension, according to Plato, are modesty, perceptivity, trust, altruism, compassion, justice, and compliance.

According to Constantin and his coauthors, people who have a high position of compassion and empathy are novelettish and feel affected by the problems of others, suffer with others, and show compassion and understanding in fact to those who have dissatisfied them.²⁵

Conscientiousness

The aspects of this dimension, according to Plato, are competitiveness, order, sense of responsibility, success, tone-discipline, and contemplation. According to Constantin and his colleagues,²⁵ people with high levels of conscientiousness, or emotional intelligence (EI), are ambitious, systematised, and scrupulous, and they have confidence in their abilities to deal with unforeseen problems.

The Research

Objectives and Hyphotheses

This research was conducted to discover the level of emotional intelligence and empathy among adults and the impact they have on everyday life. The aim is to find out the age differences in the level of the two concepts mentioned above, among young and older adults

Hypothesis 1: There are presumed to be significant differences between young and older adults in terms of empathy.

Hypothesis 2: There are presumed to be significant differences between young and older adults in terms of emotional intelligence.

Lot of participants

The tests were applied to a group of 60 subjects aged between 16 and 80, all representing the female gender. Also, a number of 24 participants come from rural areas and the remaining 36 from urban areas.

Description of the used methods

The tools used consisted of questionnaires built by us, questionnaires that were applied successively, the first form comprising 150 items. Following the elimination of the questions that did not comply with the normality, we applied the final form of the questionnaire, which includes 60 items (30 items on each scale).

The Big five personality questionnaire was used among the established tools by me. This questionnaire evaluates adult personality through 151 items based on a psycho-lexical approach that is consistent with the Big five system. This questionnaire evaluates 5 areas of personality: Extraversion, maturity, agreeableness, conscientiousness and self-actualization. From these 5 areas we have chosen items that belong to empathy as a facet of agreeableness.

The International Personality Item Pool by Dragos Iliescu and his collaborators²⁶ was used for emotional intelligence. The International Personality Item Pool article bank contains 2504 items used for personality assessment. They describe a number of 371 personality scales, organized into 19 categories according to the original The International Personality Item Pool model.²⁷ Also, The International Personality Item Pool items have response variants evaluated on a Likert scale with 5 levels.

Data Analysis and Processing

Hypothesis 1: It is assumed that there is a significant differences between young and older adults in terms of empathy.

Given that the outcome does not support our proposed hypothesis, we have looked for studies using the literature as a source to support our finding. Since there may be age differences in empathy, evidence suggests that these differences may not always have a statistically significant coefficient.

Table 1: The test of normality indicates that we have a normal distribution because both values of the SIG exceed the value of 0.05, which leads us to use the parametric method.

200	Ко	lmogorov-Smirn	ov ^a	Shapiro-Wilk				
age	Statistic	df	Sig.	Statistic	df	Sig.		
Empathy 16	0.079	36	200*	0.976	36	622		
80	0.105	24	200*	0.983	24	0.943		

^{*}This is a lower bound of the true significance

Table 2: The group statistical table indicates the difference between the scores of young adults (average = 104.45) and older adults (average = 111.80) on the size of empathy.

age	age N		Std. Deviation	Std. Error Mean		
Empathy 16	20	104.45	16.11	3.602		
80	20	111.8	16.466	3.682		

Table 3: Following statistical calculations, the hypothesis is not confirmed, there is no statistically significant difference between young and older adults at a materiality threshold of p=162.

Independent Sample Tests											
		for Eq	e's Test uality of ances	I-test for Equality of Means							
		F	Sig.	t	df	Sig. (2-tailed)	Mean Dif- ference	Std.Error Difference	95% Confidence Inteivalof the Difference		
									Lower	Upper	
Empathy Equalvariances assumed Equalvariances not assumed	0.000	0.992	-1.427	38	.162	-7.35	5.151	-17.777	3.077		
	*	0.000	0.992	-1.427	37.982	0.162	-7.35	5.151	-17.778	3.078	

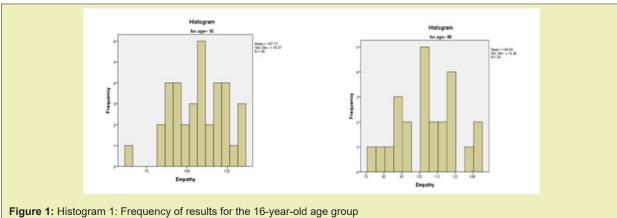


Figure 1: Histogram 1: Frequency of results for the 16-year-old age group Histogram 2: Frequency of results for the 80-year-old age group

a. Lilliefors Significance Correction

Most studies focus on humane concern traits using Interpersonal Reactivity Index and a sizable number show no significant age- related.^{28,29} As a result of our research, Bailey and his colleagues³⁰ carried out two tests evaluating empathy on a group of actors ranging in age from 16 to 87 without finding any appreciable variations in the empathy subscale due to age. In the alternate study, the authors used Interpersonal Reactivity Index to measure age- related differences between youthful and aged grown-ups in humane concern and particular suffering. Additionally, there were no established age-related changes in emotional empathy qualities.

According to research by Chen and his colleagues,³¹ older adults are just as likely as younger adults to understand emotional stimulants.³²⁻³⁴ One theory is that empathy is essential for adaptation

and social group integration throughout life and fulfils the adaptive social function. 31

Hypothesis 2: There are presumed to be significant differences between young and older adults in terms of emotional intelligence.

According to Gardner and Qualter,³⁵ the capability of emotional intelligence should meet the requirement of growth development with age and experience, from early majority to nonage, if it is included in an intelligence frame.³⁶ The acquisition of knowledge may also lead to absolute conditions of Emotional Intelligence increasing beyond early majority, similar to other cognitive capacities as shown by Kafetsios.^{37,38}

Table 4: The test of normality indicates that we have a normal distribution because both values of the SIG exceed the value of 0.05, which leads us to use the parametric method.

Tests of Normality											
		Kolmogorov-Smirnov•	Shapiro-Wilk								
	age	Statistic	df	Sig.	Statistic	Df	Sig.				
Emotional Intelligence	16	.118	24	.200*	.935	24	.128				
	80	0.087	36	0.200*	0.971	36	0.46				

^{*.} This is a lower bound of the true significance.

Table 5: The group statistical table indicates the difference between the scores of young adults (avarage=98.55) and older adults (average=111.40) for the size of emotional intelligence.

Group Statistics											
	age N Mean Std.Deviation Std.Error Mean										
Emotional Intelligence	16	20	98.55	19.141	4.28						
	80	20	111.4	9.779	2.187						

Table 6: Following statistical calculations, the hypothesis is confirmed, there is a significant difference between young and older adults at a materiality threshold of p=011 and p=012.

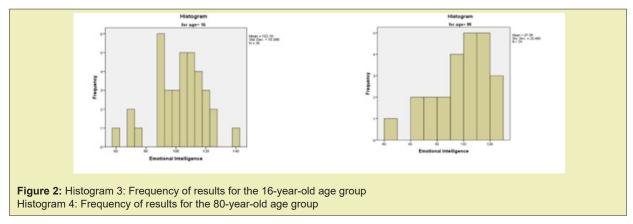
Independent Sample Tests													
Levene's 7 for Equali Variance			ality of			I-test f	or Equality	of Means	95% Confidence Error Inteivalof the				
		F		t df	Sig. (2-tailed)	Mean Differ-	Std.Error Difference	95% Confidence Inteivalof the Difference					
							ence		Lower	Upper			
Empathy	Equalvariances assumed	9.417	0.417	0.417	0.004	-2.674	38	0.011	-12.85	4.806	-22.68	-3.12	
Ешрациу	Equalvariances not assumed		0.004	-2.674	28.29	0.012	12.85	4.806	-22.691	-3.009			

Harmonious with the idea that emotional geste improves through lifelong literacy and practice, tone- reporting studies contrasts with the results of our study indicating that aged grown-ups are more confident that they can control their feelings toward youngish grown-ups.³⁹⁻⁴¹

According to Gross,³⁹ emotions can be controlled in a variety of ways and at various stages of the emotion-generating process. Making the distinction between responding and managing feelings that are antecedent-focused is helpful. Charles and Carstensen⁴² conclude that older adults likely have an edge in daily life due to

a.Lilliefors Significance Correction

antecedent regulation, environment selection, and the employment of cognitive methods that target emotional gests before they happen. Additionally, older adults exhibit and perceive less wrath in interpersonal conflict situations;^{43,44} they also choose more effective problem-solving techniques,⁴⁵ combining necessary and emotion-regulating techniques.⁴⁶



Conclusion

As for the hypothesis that targets age differences in empathy, the results indicated that there may be differences, but not statistically significant. In this case, the research hypothesis has not been confirmed, which led us to seek in the literature studies to support our result. Following the documentation, the conclusion is that empathy is an indispensable resource for all adaptive social functions, regardless of the period of the individual's life, contributing both to adaptation and integration into social groups. Knowing the thoughts and transposing into the situations of others helps us to pass through the mind filter the actions that those around us take, which facilitates the building and maintaining of interpersonal relationships as efficiently as possible.

On the other hand, the hypothesis that supports an age difference in emotional intelligence achieved a result that shows a statistically significant difference between young and older adults, and therefore the hypothesis was confirmed. Thus, the results of our research are in line with most of the studies conducted over the years that prove that older adults have higher emotional intelligence levels than younger ones due to the fact that the long-life experience and the various events experienced by older adults determine them they have a greater ability to manage emotions and understand them. In addition, with age, the individual learns to apply various cognitive methods or strategies as effectively as possible for conflict resolution.

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Conflicts of Interest

Author declare that there is no conflict of interest.

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