



John Holland's personality types and views of the relationship between creativity and other Scholars about the male students

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ABSTRACT

The present study investigated the relationship between creativity and John Holland's personality types and views other scholars envisioned the Dutch Personality Questionnaire was used to secure paper, the relationship between creativity and personality types theory John Holland's creative personality types to compare the theories of John Holland is checked. The relationship between students' creativity with John Holland's theory of personality types must be examined to determine the relationship between two variables is creative personality types and which have higher. The statistical population included all male high school students in Kermanshah city In the case of simple random sampling - A sample of 300 participants was regular a few steps Abide creativity test to measure creativity and John Holland used to measure personality types of tests were carried out and the obtained data were processed by SPSS software. The field study is correlational research method. Statistical methods used in this study was the chi-square test because of a nominal variable and the one-way analysis of variance was used to test the hypothesis.

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Introduction

Accurate as long as we look around we see many things that are the causative agents of their ability and creative thinking. If people did not use their creativity throughout history, humans remain the primary form of human life as well as the caveman diet was raw meat plant roots., But the power of imagination and creative thinking creator of the new developments to submit and the level of life been. Countless increasingly advances and changes larger communities, population growth, changes in the type of communication become more complex, it has created of problems that require creativity to solve this problem is unavoidable issues. Also, in order to obtain broader picture, productive and more accurate than the future of human societies need more creativity. New ideas, and new developments are designed to form Shows. New ideas, individuals, an incentive to reach the highest level of thinking and creativity creates. However, humans have always been the creative force could to achieve many of the unknown, but not too long to recognize this the huge force has been found. Around since 1950, the psychologists found that intelligence and creativity are not the issue requires an understanding of the sense of creativity and gradually began extensive investigations in this area. Guilford first time in this vast project will implemented. In his 1950 the inaugural speech as head of the project said: ((I'll discussed the topic of creativity with high reflection, since this issue has been that psychologists are afraid of entering its territory. Plans to continue research Guilford great impact on the creativity.)) (Nastazy, translated Thvryan, 2001, page 275).

These same people for solving problems encountered when the old solutions do not respond availability, capable of various aspects of the problem and to identify new and creative ways for solving their problem. Like any other skills needed to foster creative thinking, and development is possible. In practice creative thinking skills can be acquired in real mastery. An

environment conducive to creativity is needed for people to express their ideas and explore this environment could experience and overall the environmental conditions to be such that the test is allowed to be wrong risks Creativity is also a personal matter that depends on each individual's personality characteristics. Among these characteristics are more confident, independence, self-discipline, and discipline in thinking, mental flexibility, self-relying upon and stability in step The importance of creative people who are in the progress of societies is one of the main topics for research efforts aimed at Identifying the characteristics of creative people. Based on the works of creative people is clear that this level of understanding and emotional characteristics of and emotional and personality different than the normal with individuals. So, to answer the question of what features make them different from other people, is still of great importance. In this study it is, the personality characteristics of creative people, studies suggest In the world of creativity and growth already in progress has started countless research has been centered subject of creativity. It is clear to everyone that the Frodo progress is impossible without creativity. Studies on creative people do, have shown that creative people have a specific psychological characteristics. Holland (1985) in his theory of career choice that knows influenced by the personality. He has described six environmental models, based on the type of personality they have, they have the same. Connect people and environments be job stability and success in professional guidance to be effective. For example, the people who are more like a social type, usually a "social jobs such as teachers, or ministry work will take on. Career change, career success, etc. Let (John Holland, translated HOSSEINIAN and Yazdi, 1997) The notion of "Holland" career choice reflects the personality of the individual. His research also showed that "Occupational Preference Inventory" and "Career Interest questionnaires" as well as questionnaires to assess personality types. "Cattle"

(1940) in their study of personality, it is concluded that the propensity can be associated with personality needs. And belief "Bradyn" (1943), willingness to change his concept of product personality every time, it will change. The independent variables:

In this type of study (type of) personality variables are independent.

Dependent variable:

In this study, the dependent variable is creativity.

Theoretical definition of variables:

Creativity: (include the ability to provide innovative solutions to non-routine matters for locations.) (Sharifi, 2009, page 48)

Creativity is the divergence of thinking that is causing the problem. (Seif, 1992)

Types of (types of) characters:

John Holland, believes that any kind of development is the set product specific interaction between multiple personal and cultural forces such as peer groups, hereditary factors, parents, social class, culture, physical environment, a person learns that some activities gives preference to others. Then the action becomes strong and powerful interests. (John Holland, translated HOSSEINIAN and Yazdi, 1997)

Operational definitions of variables:

Creativity:

Creativity is the purpose of this research is the point in which the Jamal Abedi to bring creativity to the test.

Types of (types of) characters:

Type Personality Traits to the characters that are three tendencies in John Holland's test results in order of priority is determined for each subject. Other words, the purpose of this research include scores of personality types, resulting in John Holland to test execution order is determined for each subject.

The concept of creativity, the creativity of the topics are frequently discussed, without meaning it is properly illuminated

1 - a solution that solve the problem.

2 - The solution for the person who solves the problem, it is fresh. (Mayer and Vayzbrg, 1989) and therefore may have a similar response, Creative is a creative person and for the other. The Torrance (1965), "The creative process in the sense of the problems, issues, disagreements about Information Resources err in things such elements, guessing and forming hypotheses about the deficiencies, evaluation and testing conjectures and hypotheses, possibly "re-testing them and finally reform" is related to results. "(G. M., 2008, page 23) Edward Dohnv

"creative ideas and bring about change in the views of other ideas. Often "These two currents combined will be., But they can thus separable. Escape from the notion of old creation ideas again." (Dohnv, translate hope, 1363, page 80), in terms of Adward dohnv three the main reason for the change is the notion that include: 1 - the notion of a common defect we see that others do not see. 2 - Specific knowledge or experience shows us that the notion of a common idea better.

3 - very simple, very unhappy if it does not satisfy our traditional base of creative tendencies in humans. (Same source, same page) in terms of Stein (1974), "Creativity is to produce new product that much time as a viable, useful or satisfying considerable interest groups. It is. "(Hosseini, 1999 page 54). According to Stein (1974), "Creativity is to produce a new product that much time as a viable, useful or satisfying considerable interest groups

It is. "(Hosseini, 1999 page 54).A Zobl believes that "creativity and unique creative talent in a particular field is." (Seif, 1992, page 360)

"Creativity particular sense it as the best feature Intellectual productive and creative signs the balanced growth of personality and is a response to human need splitting deadlocks and way to go to reach goes beyond." (Afroz, 1995, page 30) Research study, the researchers showed how the method Guilford. Finally, the simulation results but also the Guilford results found. They discovered that creative people are usually "People are inventive, productive, have the confidence and self-possessed and independent judgment, the authors also describe the characteristics of creative individuals often" are individuals.

Innovative, productive, confident, and have a private and independent judgment. Other researchers to describe the characteristics of creative people that have used such terms. Creative people with the independence of thought that the discovery of new relationships among phenomena and are analyzed. If ordinary people are to govern the relationship between of this phenomenon and look at them from the viewpoint of conventional they and In their opinion is not a new issue. In general, studies have shown that creativity is a phenomenon quite "natural and less or more than all the people there. Creativity measure, due to the lack of detailed and comprehensive definition of it, as will be discussed in the sequel. Is not yet satisfactory. In the case of exceptional creativity, perhaps the most reliable criterion of judgment is Such as those of Beethoven, Goethe, Einstein, Freud, of individuals that are not because of intelligence wealth and so on, but also for its outstanding creativity have been remembered and their names has been recorded in the pages of history forever. (Askvylr et al, 2008)

Divergent thinking:

The second set of definitions is more creativity in the field of psychometrics. In this approach, these properties contribute to the emergence of creativity. These features include the psychological thinking, cognitive flexibility, decision-making thought of being filed these three features, Guilford's theory, the formation of divergent thinking, or thinking they are unconventional. Those who have divergent thinking in their thought and action are different from everyone and the customs and habits are far from new and creative ways to work are conversely, those who do not possess these characteristics, convergent thinking and customary habits of thought and action may follow. Thus, divergent thinking means moving away from a common point, that is the tradition and social convention. And convergent thinking, ie closer to that point.

The creative process from the perspectives Wallace: Wallace and four-stage creative process from the perspectives his proposal is given below:

Since it is a strategic effort to study creative person, another way that we try to create a process by which a person tries to, understand. Wallace suggested that the creative process has four steps:

Readiness:

Is a process in which all aspects of the problem are investigated, and in the course of defining the problem and gathering of facts will be lost. One of the most useful methods in the study of ideas and other comments about the issue. A person familiar with the opinions of others and the steps that have passed, many of the facts and issues and barriers that exist to better understand their work, but since the development of his thoughts of the other views to abandon.

Hidden:

At this point, apparently, "a work stoppage can be seen and the person does not do any effort to achieve results. During this stage may not even think about the issue of some of the

psychologists believe that in this stage of mind unconsciously start working.

Illumination:

This stage has a special place in the creative process. At this stage, one creative idea, concept or solution suddenly finds. During labor naturally creative person "to deal with the obstacles that may interrupt his work he denied the possibility of any progress, but suddenly becomes clear and one can see all obstacles in the way of practice.

Proof:

Stage in which a notion that has been achieved during the previous stage, are examined., To determine the validity or non-validity.

Although this process is generally not observed, but this does not mean that they should immutability occur at any place or occur in a time sequence. Each point represents may be months or years of planning and study, while in other cases this process can happen in one day.

Trust James Gallagher (1974), all those who have studied creative people would agree with this view, the process or sequence of steps a person is creative in his creative acts of their travels. Although far too many words used to describe this process, but the proposed terms, Wallace (1926) 'might have been the most used. As was said Wallace knows the creative process consists of four steps. (Preparation, incubation, illumination, proof) based on the four steps of waiting for a table can be provided in various stages of the creative process. During the research proved that the major intellectual practice in every stage of the creative process is followed, we can see that in preparation of the intellectual act is a cognitive memory. Personality factors as a specialist with divergent thinking, possibly "is somewhat uncoordinated individual who, introduction of unusual ideas, the main route out of regular classes and yet the problem somehow found a way to detect whether a treatment is no longer possible. (Gallagher, translated by Mehdi Zadeh, 1998) Mental act of proving in phase, convergent thinking is evaluation. At this stage, attitudes exactly "accurate statistical tool organized" than the issue arguably is necessary. Convergent thinking personality factor in maintaining a specialist in organizing ideas, he is working hard cautious. His systematic knowledge offered him be looked. Specializing in evaluators feel whether the judge is thinking about ideas to individuals in need. According to Gallagher (1974) convincingly because there is too much attention to each of these steps will hinder the growth potential in other stages, for example, the talents of Higher converges thinking of "becomes whereby person be reluctant to opine. Unless there is strong evidence for his theory. Students who answered this way out of habit, personality or attitude absolutely necessary for people to risk that divergent thinking is required, will not to divergent thinking, and in this way, person is specializing may so disordered patients who are unable or not interested in the follow through, so none of their ideas of what we need in particular, the procedures that are children and young adults in each of the skills (apparently "any certain moment of time is required) to strengthen

Theories of creativity:

There are various theories about creativity. Different schools of psychology have looked at different aspects of creativity. Looking at some of these schools of psychoanalysis, resembles Gary behaviorism, Gestalt and understanding the novel, humanism, and psychometric approach to creativity, they can give more precise concept of Creativity and emotion: Today, the idea of irrational emotion than logic in the creation

of knowledge is very important, as is widely accepted. Moreover, this idea has been accepted diagnosed severely ideas for achieving that important achievements are considered to be severely understanding emotional factors can be used. These factors both in theory and in practice, models of creative problem solving is reflected. "William J - J - eating and his assistant were the first Sasanian models facilitates a clear stand on the importance of emotions in solving problems adopted." (Osborne, translation, Qasim Zadeh 1995, page 159)

Persistence and deeply involved in order to reach the "found, found" or creative achievement is required. Requires a high degree of commitment from. Phrase often "is used in connection with this kind of commitment," love ", ie an attachment emotional depth that transcends reason and logic is. Many of the greatest creative achievements of those who have achieved, have stated that young love, and this love or an emotional attachment what they are protecting. (Osborne translation Ghasemzadeh,)

All Occupations involving require the ability to express emotions is to help others, such as counseling and psychotherapy, social work, etc. is required. These jobs have a high level of skill in transferring a deep understanding others think that requires creative thinking is needed. Emotional factors also gaining acceptance for a new idea, incredibly, is important. Those who work "to accept the ideas presented by others," they must not only be aware of its sensationalism, sensationalism rather than individuals or groups should be determined in a manner that is intended by introducing them to new ideas, are also aware Factors and barriers to creativity:

Creativity is not a character constant feature of human existence is to make no change. But including some that are absolutely "affected strengthen or weaken or even destroy obstacles are. In certain circumstances provide grounds for the emergence and spread of creativity. While some situations, the roots of human creativity will dry. Surely "people have different moral causes as well. Single location, have different effects on people. Whatever the stimulus is a useful one. Another way is to instrument problems. "Factors and individual barriers can be divided into two general categories: environmental (internal and market) can be assigned. Suitable environment for growth, innovation and education to allow children to be children or other family time with the value of different thinking of how they take . Parents are encouraged and child advocate autonomy and encourage him. " (Parvin, and Javad Kadivar translation, 2008, page 226)

"Mabyl (1988), the results of extensive interviews with 120 scientists has uses the same classification. Some creative environmental factors resulting in the interviews include: 1 - Freedom 2 - 3 sufficient resources - time enough for 4 - good atmosphere

5 - The proper study of 6 - Pressure (some pressure can be stimulating creativity).

Some environmental barriers by Maybe a case is: 1 - limit 2 - insufficient resources 3 - Competition 4 - unfavorable 5 - poor research design 6 - Evaluation of the work 7 - rules 8 - rules resort 9 - fear of lack of social welcomes

Some aspects of the creative process personal favorites are: 1 - of various personality traits 2 - motivation 3 - specific cognitive abilities 4 - willingness to take risks. 5 - Specializes in field 6 - varied experiences some personal barriers in the creative process are:

1 - Lack of motivation 2 - lack of skill or lack of experience 3 - Lack of flexibility 4 - 5 external motivation - lack of social skills

6 - Lack of Confidence 7 - fear of failure, 8 - used 9 - to turn away from uncertainty. "(Mabyl, 1990, pp. 93-92).

These barriers are described elsewhere in the development of creativity.

1 - Efforts to eliminate dreamed before puberty many parents and educators believe that health care should not target children dreamed it destroyed.

While such a role play fantasy, science fiction words, drawing pictures of strange and similar aspects of children's natural it must be considered. So as long as the child's mental development has not been able to engage in logical thinking. Dreamed of this kind should be kept alive

2 - Open limitations faculty policy holder of and curious children, young children have a strong tendency to measure and investigate the objects, and this trend seems to be the basis of curiosity and creativity. But in many cases limits the child's parents and teachers in order to provide

3 - Rely too much on the role of gender: the social cultural importance of gender distinction, the source of many conflicts a creative person both in school and learning that makes the full development of his thinking. Requires creative thinking hypersensitivity is the character of the community "is feminine and other hand independence and self-relying on are the male character.

4 - strong emphasis on prevention: how children to answer to assignments that require alternative thinking on the fly when one is dead, indicates that emphasizes prevention, strength imagination of many children has hindered the growth of the children in a way that have learned how to to win success only in order to sell nor eyes struggling to defeat the failure probability.

5 - Inducing fear and less face to face due to low and many children are not able to demonstrate peak performance. This reluctance is due to limitations on the growth to answer of curiosity, strength unfamiliar ideas and opinions expressed by the individual, has ruled on.

6 - emphasis on verbal skills: giving too much emphasis to the importance of problem solving skills, schools also need to prevent children from learning creative thinking, he considered to competency growth. While creative people, their linguistic competency than most other competency "is far less.

7 - Lack of confidence: One of the problems in our society is that creative people due to lack of confidence in being able to express their thoughts on new and innovative things are not identical. They cannot speak their imaginations and unable to protest against the existing forms.

8 - Old habits: One of the reasons that makes people grow together and be creative with the record is that the victims are habits. Consequently, education and experience factors an inhibitor treatment may be caused by the rigor draw our mindset.

9 - Tend to color the congregation: the agent is desire to take the spell traditionalism factor is detrimental to creativity. Fear of to look stupid in others the same with Gemma nature tend to lack of willingness to be different from others is barrier to creativity Lack of attention to individual differences, and the threat of punishment, a lot of homework and pressure on the memory of in schools children to analyze the efficiency of curiosity and creative thinking and reflection to the destruction of the process. (Afrooz, 1995).

Some tables from the statistical results of the study.

Chi-Square Tests

	Value	df	Asy mp. Sig. (2-sided)
Pearson Chi-Square	1.533 ^a	2	.465
Likelihood Ratio	1.535	2	.464
N of Valid Cases	300		

a. 0 cells (.0%) have expected count less than 5. The minimum expected count is 17.60.

The table χ^2 is calculated (1/53) of Table at $\alpha = 5\%$ level is smaller, so the zero hypothesis cannot be rejected and it was concluded that the relationship between creativity and personality types are not realistic and enterprising.

Chi-Square Tests

	Value	df	Asy mp. Sig. (2-sided)	Exact Sig. (2-sided)	Exact Sig. (1-sided)
Pearson Chi-Square	1.300 ^b	1	.254		
Continuity Correction	.809	1	.368		
Likelihood Ratio	1.299	1	.254		
Fisher's Exact Test				.336	.184
Linear-by-Linear Association	1.286	1	.257		
N of Valid Cases	93				

a. Computed only for a 2x2 table

b. 0 cells (.0%) have expected count less than 5. The minimum expected count is 10.6

χ^2 Calculated as (1/03) of Table at $\alpha = 5\%$ level is smaller, so the zero hypothesis cannot be rejected and it was concluded that there is no correlation between creativity and personality types enterprising and conventional.

Results

1 - between creativity and personality of John Holland, not significant relationship.

2 - The amount of creativity and artistic personality, intrepid social order is more than other personality types. Creativity of the conventional personality type than other types of character no less.

3- Might dare to say: the most comprehensive theory of creativity Guilford American scientist, is presented. Guilford prevalence studies eventually concluded that human intellectual abilities cannot be summarized in one dimension it intelligence or something like that called

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