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Do Personality Traits Matter for Work Performance? A survey of University Librarians

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Do Personality Traits Matter for Work Performance? A survey of University Librarians

Abstract

Personality traits are core characteristics of individuals and have been recognized as the most important elements for developing a unique and promising personality. It plays an important role to enhance the work performance of individuals. Therefore, the study intends to investigate the impact of personality traits on work performance of university librarians. For this purpose, a survey based questionnaire was used to collect data from 221 university librarians from public and private sector universities of Pakistan selected by census sampling. Major findings showed that mostly university librarians owned the personality traits of *agreeableness*, *conscientiousness*, and *openness to experience*. They were polite, supportive, trusting, responsible, careful, creative, and achievement-oriented. They also liked to be the center of the attention in social gatherings, they felt others' emotions and feelings. Further, they performed their work related tasks well in time by managing the things at work effectively and efficiently. The impact of personality traits was found positive and correlated with work performance, however, the relationship of *neuroticism* was found less strong with *conscientiousness*, *open to experience*, and *IWP*. The findings of this research would help university librarians overcome the issues in their personalities so that they could bring productive outcomes to their institutes and deliver quality of services to users. The pinnacle was to enhance the performance of university librarians by enriching their personality characteristics.

Keywords: Personality traits, Personality characteristics, Work performance, Job performance, University librarians, Punjab, Pakistan.

Introduction

The impact of personality traits on work performance has frequently been studied in the past. Work performance certainly depends upon personality of workers (Rodrigo and Jayasekara, 2016). Therefore, organizations focus on personality and entrepreneurship for a specific job to increase the job performance of their employees (Soni, 2003) by adopting different types of personality assessment methods and procedures (Alsuwailem and Elnaga, 2016). The study of Barrick, Mount, and Judge (2001) explained how several personality traits were better to judge the job performance than others. Sartori, Charkhabi, Scalco, Costantini and Ceschi (2016) also mentioned different personality traits that make the difference of work performance in employee's perception.

Personality development in any sector is essential for success and achievement. In libraries and information centers, good communication and team skills are necessary to work and negotiate with colleagues and users for better delivery of services (Pinefield, 2001). Personality is one of the factors that plays a vital role in increasing the performance of individuals which ultimately causes in improving the overall performance of organizations. In this technological era, the role and functions of librarians are increasing from managing physical information sources to managing electronic resources and make them available to the users. They are also participating in the increasing process of academic communication. Library services are molding towards more user-centered and they usually depend on who provides them and when and where they are provided. The quality of services is directly affected by their suppliers' skills – both professional and front-liners (Ameen, 2013). The persons who are more concrete, down-to-earth, and focused do work in a better way. Relationship exists among different personality traits, work performance, and thinking style of employees (Tyler and Newcombe, 2006). Much has been written and studied on the relationship between personality traits and work performance of individuals working in

different organizations (Adenuga and Ayodele, 2013; Alsuwailem and Elnaga, 2016; Sartori, Charkhabi, Scalco, Costantini, and Ceschi, 2016; Moita, 2015; Vivekananda, 2015; Yakasai and Jan, 2015). Nonetheless, a lack of literature could be seen that determined the impact of personality traits on work performance of university librarians in order to improve their job competencies by personality traits to deliver high quality of user services. This study was perceived a first step towards this direction that was designed to be conducted on a largest populous province of the country i.e., Punjab. Ameen (2013) also urged a thorough investigation to examine LIS practitioners' personality characteristics and communication abilities, especially in Pakistan. The present study, therefore, made deliberate effort to determine the personality traits of the librarians and its impact on their work performance.

This study was important because it would add new empirical knowledge in the area of Library Science, Psychology, and Information & Knowledge Management. It would help librarians improve their work performance by enhancing their personalities so that they could deliver quality services by fulfilling and understanding users' need. It would also be beneficial for the policy and decision makers to conduct various training workshops to enhance the capabilities of librarians and by designing and offering courses that would be helpful in improving their personality.

Research Objectives

The objectives of this study were:

1. to identify the perceived personality traits of public and private sector university librarians in Punjab, Pakistan.
2. to determine the perceived level of university librarians' work performance.
3. to examine the impact of personality traits on their work performance.

Literature Review

Personality Traits

The concept of personality has been suggested by Allport (1937) about seventy eight years ago. It can be described as a mixture of characteristics or qualities that consist of thinking, feeling and behavioural style in different circumstances having long-lasting tendency in one's behavior. Its characteristics represent the unique patterns of ideas, emotions and behaviors of people. There are five broad and fundamental traits: *openness*, *conscientiousness*, *extraversion*, *agreeableness*, and *neuroticism* on which individuals' personality differ (Matthews, Deary, and Whiteman, 2003). Roberts and Mroczek (2008) viewed that there was some variations in personality characteristics of individuals over time for six traits features (*Social Strength*, *Social Domination*, *Agreeableness*, *Conscientiousness*, *Emotional Stability*, *Openness to Experience*). They concluded that positive change of personality traits would not be taken as final as it could transform at any age of life, while new and unique patterns could emerge through some experiences in a person's life.

In the extant literature of psychology, personality traits of different individuals or group of individuals were assessed by using various kinds of psychological traits models or theories i.e. Freud's Theory, Tripartite Theory of Personality, Eysenck's Personality Theory, Cattell's 16PF Trait Theory, Allport's Trait Theory, Authoritarian Personality, Big Five Personality Traits (5-Factor model of personality), and many more. Among these models, the most commonly used model to determine the personality traits of individuals is Big Five Personality Traits (5-Factor model of personality), as it comprehend the relationship between personality and behaviors (Poropat, 2009).

Big five personality traits described five broad dimensions or factors of personality that were *openness to experience*, *conscientiousness*, *extraversion*, *agreeableness*, and *neuroticism*

generally abbreviated as *OCEAN* or *CANOE*. Under each factor, there were several correlated and primary sub-factors describing different aspects of that dimension.

Openness to experience. It is the degree of depth, breadth and imagination, creativity and urge for experiences in the life of a person (Howard and Howard, 1995). It is about imagination, exploration, and talent of a person. In this facet, the confidence and self-actualization is judged by several related statements also known as sub-factors of this dimension.

Conscientiousness. Conscientiousness is being achievement-oriented, careful, persevering, thorough, responsible, organized and hardworking (Barrick and Mount, 1991). It is the degree of cautiousness and self-discipline.

Extraversion. Extraversion (outgoing vs. unsociable) is confidence stimulated by others' company, positive emotions, talkativeness" (Gavrilescu, 2015, p.2). It is the degree of human that tells that an individual is social or anti-social.

Agreeableness. People who score higher on agreeableness are tolerant, polite, flexible, good-natured, supportive, tolerant, soft-hearted, and trusting (Barrick and Mount, 1991). Agreeableness means that "a person is good-natured, cooperative, confident and trusting" (Chang et al., 2017, p.16). It is the degree of trusting people, accepting other opinions and feelings.

Neuroticism. Neuroticism is a measure of effect and emotional control (Heinström, 2003). It is the degree of self-consciousness, anxiety and emotional instability of a person. In this facet, the negative statements were used to judge whether the respondents were low or high in neuroticism which were their states of being unstable, worried, temperamental and sad.

Work Performance

Work performance focuses on behaviors or actions of employees working in any organization. These behaviors are controlled by the person, excluding socially restricted behaviors (Rotundo and Sackett, 2002). One of the definitions of work performance is “behaviors or actions that are relevant to the goals of the organization” (Campbell, 1990, p. 688). There are several dimensions or facets that describe the overall work performance of employees. Usually, three common dimensions are mostly used from which one can evaluate the individual's job performance. These are: i) *task performance*, ii) *contextual performance*, and iii) *counterproductive work behavior* (Koopmans, 2014).

Task performance. It refers to the “skills, punctuality, quality of work, active performance and the job knowledge of an individual worker” (Koopmans, 2014. p.3). It is assessed by using several specific and correlated statements.

Contextual performance. The contextual performance indicates “the team performance, cooperation, and communication that support the organizational and social environment in which the organizational goals could be achieved” (Koopmans, 2014. p.3).

Counter productive work behavior. “It is the factor in an individual that harms the performance of an organization like absenteeism, off-task behaviour, theft, and substance abuse” (Koopmans, 2014).

Personality Traits and Work Performance

Several studies have been conducted in different fields (i.e. business, sports, management, etc.) to determine the relationship between personality and work efficiency by exploring individual relationships from different facets of personality with diverse elements of job performance (Ali et al., 2011; Alsuwailem and Elnaga, 2016; Madrid, Diaz, Leka, Leiva and Barros, 2018). Barrick,

Mount, and Judge (2001) and Hurtz and Donovan (2000), in their systematic studies, concluded that some facets of personality traits were significantly correlated with job performance, while some were inversely related.

Various studies using different personality traits model measured the impact of these traits on job performance. For instance, Alsuwailm and Elnaga (2016) found that 5 factors were useful measures to determine the attitude and behavior of a person at work. They concluded that *extraversion* and *conscientiousness* had been positively associated with management skills while *agreeableness* and *neuroticism* have a negative correlation with job efficiency. But on the other hand, Yakasai and Jan (2015) revealed that all personality factors did not lead to the effective performance of salesmen all the time, because performance was based on contextual outcomes. Similarly, Rothmann and Coetzer (2003) found that there was no practical significant relationship between personality dimensions and work performance of employees in the pharmaceutical organizations. Sartori et al. (2016) explored the link between big five personality traits and job performance in business employees by concluding that some traits made difference in the perception of workers like conscientiousness and extraversion but agreeableness and openness did not seem to make much difference in job performance.

Halder, Roy, and Chakraborty (2017) explored the impacts of five personality traits on students' information seeking behaviour in higher education organizations. They revealed that five personality traits (*conscientiousness, agreeableness, extraversion, openness, and neuroticism*) were significantly interrelated with all aspects of academic information behaviour seeking. Likewise, Lapidus and King (2018) emphasized the importance of the need of personal qualities in medical librarians other than their expertise, work activities, and services. They depicted that there was a relationship between the personal qualities and core abilities of the medical librarians.

Srivastava (2012) found that *emotional stability*, *extraversion* and *conscientiousness* had a beneficial impact on job performance of Indian corporate sectors employees while *neuroticism* had an adverse effect on job performance. Another study was conducted in Pakistan on economists by Anwar, Xiao, Fiaz, Ikram, and Younas (2017). They found that three personality traits (*conscientiousness*, *agreeableness* and *emotional stability*) were effective for the prediction of job performance but *openness to experience* and *neuroticism* were not closely related to task performance especially in Pakistan.

Keeping in view the importance of relationship between personality traits and work performance, following null hypotheses were framed out.

H₀₁: There is no impact of extraversion on work performance of university librarians in Pakistan.

H₀₂: There is no impact of agreeableness on work performance of university librarians in Pakistan

H₀₃: There is no impact of conscientiousness on work performance of university librarians in Pakistan

H₀₄: There is no impact of neuroticism on work performance of university librarians in Pakistan

H₀₅: There is no impact of openness to experience on work performance of university librarians in Pakistan

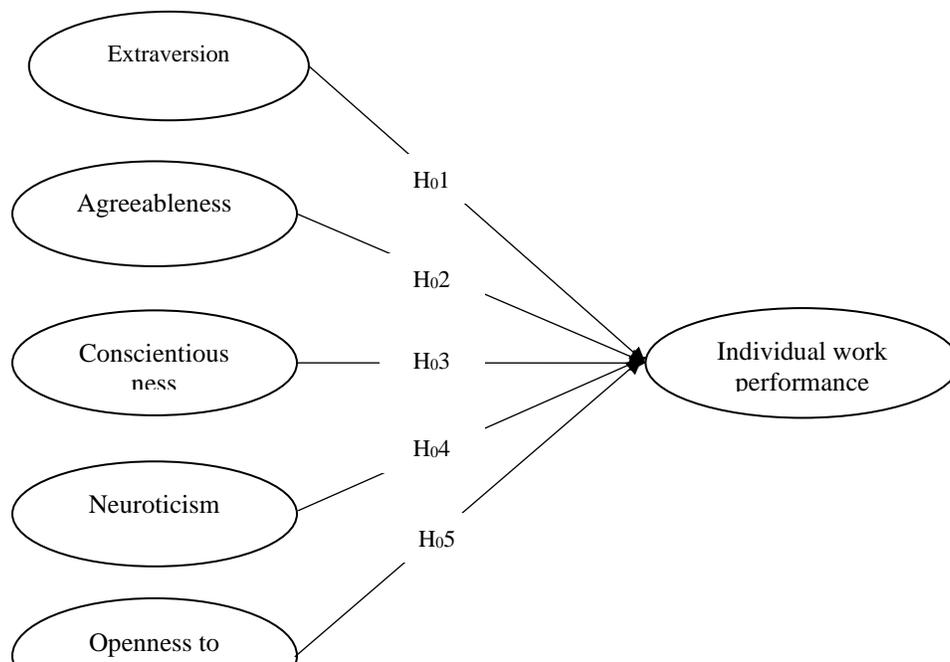


Figure 1: Conceptual Framework of the study

Research Method

Design – This research study is descriptive in nature, used quantitative approach, and employed survey method to investigate how personality traits matter for respondents’ work performance at their respective job places.

Population, Sample, and Data Collection – The population frame of this research was consisted of currently working university librarians at public and private sector universities of Punjab, Pakistan recognized by HEC (Higher Education Commission). There are 60 public and private HEC recognized universities in Punjab. The total number of librarians in these universities were about 360, ascertained through an initial survey.

The population itself was not as much as a sample could be drawn out, therefore, census sampling technique was opted. This technique was used in such a way that the maximum responses from the respondents could be collected. Mostly questionnaires were personally administered, some questionnaires were sent via postal service to the respondents, while some respondents were approached through email by sending them online questionnaire created through Survey Monkey. Out of 360, 221 responses were collected after several extensive follow ups, from which 134 responses were received from public sector and 87 were from private sector universities.

Measures – Two scales were used in this study i.e. i) Big-five personality traits and ii) individual work performance scale (IWPS).

Personality traits – To determine the personality traits of university librarians, a scale of Big Five personality traits (*extraversion, agreeableness, conscientiousness, neuroticism, and openness to experience*) by Alsuwailem and Elnaga (2016) having 25 statements was adopted.

Individual work performance – The work performance of the respondents was assessed using a scale by Koopmans (2014) containing 24 statements.

All the items in these questionnaires were measured using five-point Likert scale ranging from strongly disagree (5) to strongly agree (1).

Reliability of measures – To check the internal consistency of 49 statements, Cronbach's alpha value was calculated. The alpha value for *personality traits* and IWP was .871 and .902 respectively. The results of internal consistency reliability showed a good reliability index value between all the measures of two main constructs (PT and IWP) which were .700 and .834 respectively (Table 1). These values were in range as recommended by Frankfort-Nachmias and Nachmias (2008) i.e. ≥ 0.70 . Hence, all the variables in this study were reliable and consistent with each other.

Data Analysis, Results, and Findings

The collected data were entered into SPSS (Statistical package for Social Sciences) version 22, and the entered data were checked twice to ensure the accuracy of data entry and to prevent from typo mistakes. The results showed that mostly respondents (139, 63%) were male, while 82 (37%) were female. It meant that males were dominant in university libraries of Punjab, Pakistan. The majority of the respondents fall in the ages between 20-30 years (37.8%). The least number of

responses came from the age bracket of 61-80 years. Mostly participants were from the designation of *assistant librarian* (40.3%) and *librarian* (38%), while 12.2% respondents were from *senior librarians* and 5.9% were from *deputy chief librarian*. Only 3.6% of respondents were designated as *chief librarian*, it is because of mostly university libraries in Pakistan probably had only one chief librarian at a time.

The results of descriptive statistics showed that most of the respondents had the personality trait of *agreeableness* with the mean of 4.01 (.521) followed by *conscientiousness* (M=3.81, SD=.553), *openness to experience* (M=3.65, SD=.557), and *extraversion* (M=3.59, SD=.690). The less rated personality trait by the respondents was *neuroticism* with the mean score of 2.95 (.894). About the work performance, the respondents agreed that they performed their work related tasks well in time by managing the things at work effectively and efficiently (M=3.71, SD=.395) (Table 1). Moreover, Table 1 described internal consistency reliability of and inter correlation between the measures. The results of Pearson’s Moment Correlation indicated that all the variables were positively correlated with each other at the significant level of 0.01, however, *neuroticism* was not correlated with *extraversion* and *agreeableness* at the said *p*-level. Cohen’s criteria (Cohen, 1988) of effect size was used in this study to explain the relationship strength between the variables. Correlation coefficient values showed a high strength of association among *agreeableness*, *extraversion*, and *conscientiousness*. Meanwhile, IWP was also positively interrelated with all the personality traits under significant value of 0.01. However, the relationship of *neuroticism* was found less strong with *conscientiousness* ($r = 0.184^{**}$) and *open to experience* ($r = .296^{**}$).

Table 1: *Descriptive statistics, internal consistency reliability, and inter-correlation matrix*

Personality Traits	Mean	SD*	Cronbach’s Alpha value	EXT	AGR	CON	NEU	OTE	IWP
Extraversion (EXT)	3.59	.690	.729	1					

Agreeableness (AGR)	4.01	.521	.709	.541**	1				
Conscientiousness (CON)	3.81	.553	.701	.286**	.502**	1			
Neuroticism (NEU)	2.95	.894	.834	.078	.016	.184**	1		
Openness to experience (OTE)	3.65	.557	.705	.340**	.334**	.463**	.296**	1	
Individual Work Performance (IWP)	3.71	.395	.902	.341**	.345**	.509**	.355**	.463**	1

Scale: 1 = Strongly Disagree, 2 = Disagree, 3 = Neutral, 4 = Agree, 5 = Strongly Agree, SD* = Standard Deviation

** Correlation is significant at the 0.01 level (2-tailed).

a. N=221

b. 0.10 = small, 0.30 = medium, and 0.50 = large (Cohen's criteria)

In addition, all the prerequisites for regression analysis were fulfilled; for instance, missing values, checking outliers, normality, and multicollinearity. Missing values were replaced by mean score of respective item(s). Multivariate outliers were dealt and treated with Mahalanobis distance method using the instructions of Klin (2005) which resulted in deletion of 16 outlying responses. Skewness and Kurtosis were applied to examine the normality of data. The values of Skewness (± 1) and Kurtosis (± 3) were in acceptable range set by Byrne (2010). Multicollinearity was checked using bivariate correlation and all the resulting values were below 0.85 (Table 1) as recommended by Tabachnik and Fidell (2007) and hence acceptable for further analyses.

As this study adopted the measures from previous studies, therefore, it is recommended to perform Confirmatory Factor Analysis (CFA) (Anderson & Gerbing, 1988). For CFA, model fit indices i.e. χ^2/df , Comparative Fit Index (CFI), Goodness-of-Fit Index (GFI), Adjusted Goodness-of-Fit Index (AGFI), and Root Mean Square Error of Approximation (RMSEA) were calculated. Initial CFA results calculated the values of all model fit indices as $\chi^2/df = 1.77$, GFI = .874, AGFI = .840, CFI = .905, and RMSEA = .059. However, there is always a room of model improvement using model modification indices (Williams, Vandenberg & Edwards, 2009). Therefore, to maximize the values of model fit indices, the model was slightly modified by interrelating few error terms with latent factor(s). Further, factor loading for all the items were more than 0.50

(Fornell & Larcker, 1981), however, three items were dropped out due to loading score of less than 0.50.

Table 2: *Goodness and Badness-of-Fit Indices*

	χ^2/df	GFI	AGFI	CFI	RMSEA
Cutt-off values	≤ 3	≥ 0.90	≥ 0.90	≥ 0.90	≥ 0.08
CFA (initial)	1.77	.874	.840	.905	.059
CFA (modified)	1.68	.921	.901	.909	.048

Impact of personality traits on individual work performance

To measure the impact of personality traits on IWP, a simple linear regression was applied. The results revealed that 39.3% ($R^2 = .393$) of the variance in IWP were explained by predictors of the study. The results further showed that the regression model was significantly predicting IWP ($p = .000 < .05$) except *agreeableness* ($p = .599 > .05$) (Table 3).

Table 3: *Impact of personality traits on individual work performance*

Hypotheses	Model	Unstandardized Coefficients		t	p-value	Status
		β	SE			
	(Constant)	1.642	.204	8.035	.000	
H ₀₁	Extraversion	.085	.039	2.189	.030	Rejected
H ₀₂	Agreeableness	.030	.056	.526	.599	Accepted
H ₀₃	Consciousness	.228	.050	4.582	.000	Rejected
H ₀₄	Neuroticism	.102	.026	3.898	.000	Rejected
H ₀₅	Openness to Experience	.130	.048	2.738	.007	Rejected

a. Dependent Variable: Individual Work Performance

b. Predictors (Constant): Extraversion, Agreeableness, Consciousness, Neuroticism, Openness to Experience

c. SE = Standard Error

d. $R^2 = .393$

The results of unstandardized β coefficient revealed that *agreeableness* exerted only 3% ($\beta=.030$) impact on IWP, which were very low and seemed to be insignificant. However, other remaining personality traits such as *extraversion* ($\beta=.085$, $t=2.189$, $p=.030$), *consciousness* ($\beta=.228$, $t= 4.582$, $p=.000$), *neuroticism* ($\beta=.102$, $t=3.898$, $p=.000$), and *openness to experience*

($\beta=.130$, $t=2.738$, $p=.007$) explained IWP significantly well. The values of path coefficients of these predictors indicated that they finely contributed in measuring the work performance of respondents (Figure 2).

Hence, the hypotheses H₀₁, H₀₃, H₀₄, and H₀₅ were rejected while H₀₂ was accepted.

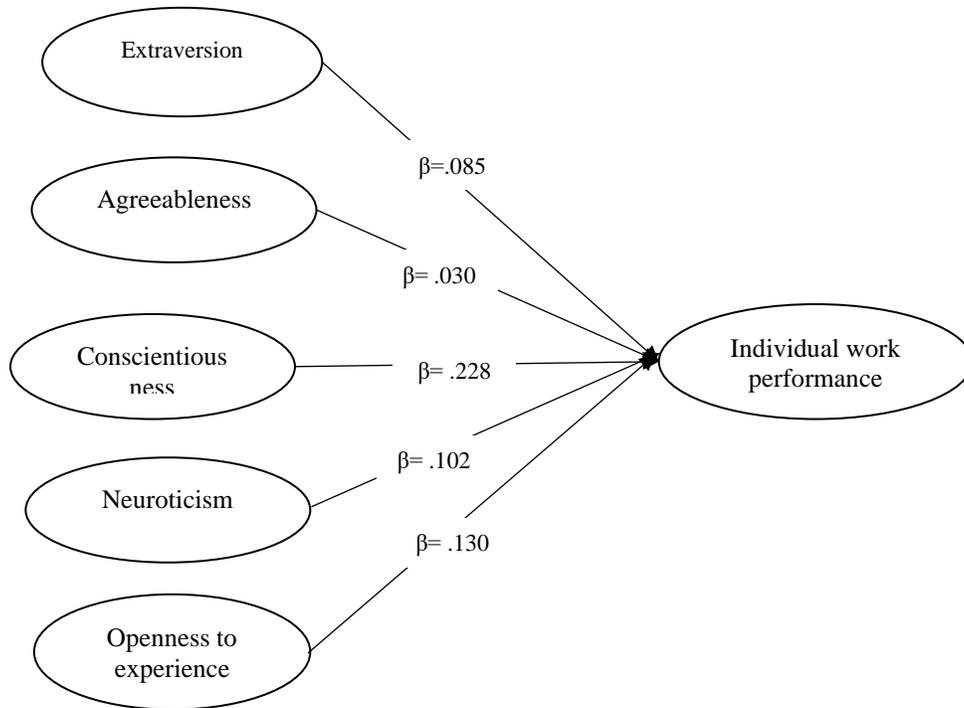


Figure 2. Regression model

Discussion

This is the first study of its nature that determined the impact of personality traits on work performance of university librarians. The study revealed that mostly university librarians owned the personality traits of *agreeableness* and *consciousness*. University librarians in Pakistan, as this study unveiled, were tolerant, polite, flexible, good-natured, supportive, soft-hearted, and trusting. They had the nature of trusting people, accepting other opinions and feelings. It seems quit logical that the employees in service-oriented organizations like libraries and information centers should have such kind of bespoke qualities, so that they can deliver quality services to their users. Sabatier

and Oppenheim (2001) found that LIS professionals should be extrovert, and exhibit professional qualities. Sometimes, librarians have to deal with critical, difficult, and challenging users and their diverse nature queries; therefore it is necessary for them to be calm, concentrated and focused for better response to this kind of information users. Heinström (2003) also emphasized the importance of these personality dimensions to understand and respond such users' information need. The study findings also revealed that the university librarians were well disciplined about their cognitive approach required in their life. They didn't like the fact of being ordered by others as an element in their personality. Further, *neuroticism* was not much rated personality trait among university librarians in Pakistan. These results were similar with the findings of Alsuwailem and Elnaga's (2016) study who found that other than *neuroticism*, all other personality traits were positively inter correlated with each other. About the work proficiency, in this study, the university librarians agreed that they performed their work related assignments well. They had a positive behaviour while working by keeping themselves up-to-date according to the new trends and traditions. The results also found that they shared their knowledge, responsibilities and problems with co-workers in a team environment, because they were loyal to their institution.

The study further divulged that different personality traits were positively correlated with the work performance of respondents meaning that personality attributes enhanced the work efficiency of university librarians. Librarians are supposed to be the front liner to provide quality services to the users fulfilling their information need(s), therefore it becomes essential for them to build their personality up to the mark for provision of quality services. Better provision of quality services to users always results in satisfying and fulfilling the users' needs. Williamson, Pemberton, and Lounsbury (2008) confirmed that librarians had different personality dimensions at different sections of the library while performing their duty. They found that different

personality characteristics were linked to various kinds of librarians and the person-oriented librarians [usually reference and front desk librarians] had diverse personality traits than technique-oriented librarians [cataloger, classifier, bibliographer, and alike]. Similarly, Goulding, Bromham, Hannabuss, and Cramer (2000) raised the importance of personal factors in LIS recruitment. They depicted that personal characteristics for LIS professionals were necessarily important to cope with the challenges during practical and technical work. They further found that new recruit lacked in taking responsibilities, pressure, flexibility, communication skills and were rigid in their professional ground. Therefore, it become deemed important to hire those workers which have promising personality characteristics for service oriented organizations like libraries and information centers. Furthermore, Heinström (2003) emphasized the importance of personality traits in understanding the information need of users. He found that every person had exclusive way of pursuing information according to their psychological mechanism, therefore professional librarians and/or information providers should keep in mind the personality dimension of users before offering any service to them. Many other studies also found a positive relationship between personality and work performance (Barrick et al., 2001; Danish et al., 2019; Madrid at al., 2018; Hurtz and Donovan, 2000; Srivastava, 2012).

Moreover, the study unveiled that different personality traits had different impact on work performance of the respondents. For instance, the university librarians having personality trait of *agreeableness* did not significantly predict the work performance. Previous studies also confirmed the same results (Alsuwailem and Elnaga, 2016; Srivastava, 2012). Other personality traits such as *extraversion*, *neuroticism*, *consciousness*, and *openness to experience* in Pakistani university librarians impacted their work performance significantly well.

Limitations of the Study

Since, this study was limited to only HEC (Higher Education Commission) recognized public and private sector university libraries situated in Punjab, Pakistan, its result may not be generalized to other provinces of Pakistan. Second, this study used self-reported questionnaires, which have the limitation of biasness.

Conclusion

The present study concluded that the university librarians could enhance their work efficiency by developing and grooming their personalities. They are needed to be made more aware about their personality traits so that they may be able to figure out the traits that can become the source of their effective and efficient work performance. They should be more social by minimizing their anxiety and emotional-instability for better work performance at their respective job place. Before recruitment, the organization should take some psychological tests for best selection. The personality of the university librarians was not as resilient as it should be, therefore, the university administration should conduct personality training programs (in-house or out-source) and fresher courses to promote the work performance of their librarians for user friendly personality. There is also a need to frame out such kind of activities that encourage librarians to cope with their cognitive and personal shortcomings. Seniors are always a best source of all type of learning about what type of personality librarian should have; so the university librarians should learn from their senior's experiences for grooming of their personality. There is a dire need in universities to conduct personality tests of their librarians after a specific duration of time.

References

Adenuga, R. A., and Ayodele, K. O. 2013. "Adolescents' entrepreneurial behaviour: The predictive effect of the big five personality factors". *European Journal of Business and Social Sciences*, 1(12):48-58.

- Ali, S. S., Azizollah, A., Zaman, A., Zahra, A., and Mohtaram, A. 2011. "Relationship between personality traits and performance among school principals". *Higher Education Studies*, 1(1):38-45.
- Allport, G. W. 1937. *Personality: A psychological interpretation*. New York: Henry Holt and Company.
- Alsuwailem, A., and Elnaga, A. A. 2016. "Exploring the relationship between personality and job performance. new approach". *International Journal of Business and Management Invention*, 5(12):43-53
- Ameen, K. 2013. "The need and impact of learning "personality development & communication skills" in LIS education: a case study". *Malaysian Journal of Library & Information Science*, 18(1):15-25.
- Anderson, J. C., & Gerbing, D. W. (1988). Structural equation modeling in practice: A review and recommended two-step approach. *Psychological Bulletin*, 103(3), 411-423.
- Anwar, B., Xiao, Z., Fiaz, M., Ikram, A., and Younas, M. 2017. "Are leaders' personality traits imperative for employees' job performance? the context of an emerging economy". *Journal of Applied Business Research*, 33(5):1-12.
- Barrick, M. R., and Mount, M. K. 1991. "The big five personality dimensions and job performance: a meta-analysis". *Personnel Psychology*, 44(1):1-26.
- Barrick, M. R., Mount, M. K., and Judge, T. A. 2001. "Personality and performance at the beginning of the new millennium: what do we know and where do we go next?" *International Journal of Selection and Assessment*, 9(1-2):9-30.
- Byrne, B. M. (2010). *Structural equation modeling with AMOS Basic concepts, applications, and programming (Multivariate Applications Series)*. New York; NY: Routledge.
- Campbell, J. P. 1990. "Modeling the performance prediction problem in industrial and organizational psychology". In: *Handbook of Industrial and Organizational Psychology* (Eds. Dunnette, M.D. and Hough, L.M.). Palo Alto, CA: Consulting Psychologists Press, 687-732.
- Chang, Y.-W., Hsu, P.-Y., Shiau, W.-L., and Wu, Z.-Y. 2017. "The effects of personality traits on business intelligence usage: a decision-making perspective". *Malaysian Journal of Library & Information Science*, 20(2):13-40.
- Cohen, J. 1988. *Statistical power analysis for the behavioral sciences*. Hillsdale, NJ: Lawrence Earlbaum Associates.
- Danish, R., Q., Asghar, M., J., K., A., Mehmood, T., Ali, Q., M., Qaseem, S., and Ali, H., F., 2019. "Impact of personality characteristics on innovative work behavior through emotional labor in education sector of Pakistan". *European Online Journal of Natural and Social Sciences: Proceedings*, 8(2):70-85.
- Frankfort-Nachmias, C., and Nachmias, D. 2008. *Research methods in the social sciences* (7th ed.). New York, NY: Worth Publishers.
- Fornell, C., & Larcker, D. F. (1981). Evaluating structural equation models with unobservable variables and measurement error. *Journal of Marketing Research*, 18(1), 39-50.
- Gavrilescu, M. 2015. "Study on determining the Big-Five personality traits of an individual based on facial expressions". Paper presented at the 2015 E-Health and Bioengineering Conference (EHB), Romania.
- Goulding, A., Bromham, B., Hannabuss, S., and Cramer, D. 2000. "Professional characters: the personality of the future information workforce". *Education for Information*, 18(1):7-31.

- Halder, S., Roy, A., and Chakraborty, P. 2017. "The influence of personality traits on information seeking behaviour of students". *Malaysian Journal of Library & Information Science*, 15(1):41-53.
- Heinström, J. 2003. "Five personality dimensions and their influence on information behaviour". *Information Research*, 9(1), retrieved from <http://informationr.net/ir/9-1/paper165.html>.
- Howard, p. J., and Howard, j. M. 1995. *The big five quickstart: an introduction to the five-factor model of personality for human resource professionals*. Charlotte, NC: Center for Applied Cognitive Studies.
- Hurtz, G. M., and Donovan, J. J. 2000. "Personality and job performance: The Big Five revisited". *Journal of Applied Psychology*, 85(6):869-879.
- Kline, R. B. (2005). *Principles and practice of structural equation modeling*. New York, NY: Guilford.
- Koopmans, L. 2014. *Measuring individual work performance*. (PhD Dissertation), Amsterdam, The Netherlands: VU University,.
- Lapidus, M., and King, S. 2018. "Leisure activities and personality traits of medical librarians". *The Reference Librarian*, 60(1):1-13.
- Madrid, H. P., Diaz, M. T., Leka, S., Leiva, P. I., and Barros, E. 2018. "A finer grained approach to psychological capital and work performance". *Journal of Business and Psychology*, 33(4):461-477.
- Matthews, G., Deary, I. J., and Whiteman, M. C. 2003. *Personality traits*. CA: Cambridge University Press.
- Moita, P. 2015. "Communication skills for personality development in library profession". *Asian Journal of Multidisciplinary Studies*, 3(6):64-68.
- Pinfield, S. 2001. "Managing electronic library services: current issues in UK higher education institutions". *Ariadne*, 29. Retrieved on March 29, 2020, from <http://www.ariadne.ac.uk/issue29/pinfield/>.
- Poropat, A. E. 2009. "A meta-analysis of the five-factor model of personality and academic performance". *Psychological Bulletin*, 135(2):322-338.
- Roberts, B. W., and Mroczek, D. 2008. "Personality trait change in adulthood". *Current Directions in Psychological Science*, 17(1):31-35.
- Rodrigo, B., and Jayasekara, P. 2016. "The impact of personality on job performance: study on senior managers in state owned commercial banks in Colombo district, Sri Lanka". *Human Resource Management Journal*, 4(2):23-40.
- Rothmann, S., and Coetzer, E. P. 2003. "The big five personality dimensions and job performance". *SA Journal of Industrial Psychology*, 29(1):68-74.
- Rotundo, M., and Sackett, P. R. 2002. "The relative importance of task, citizenship, and counterproductive performance to global ratings of job performance: a policy-capturing approach". *Journal of Applied Psychology*, 87(1):66-80.
- Sabatier, S., and Oppenheim, C. 2001. "The ILS professional in the City of London: personality and glass ceiling issues". *Journal of Librarianship and Information Science*, 33(3):145-156.
- Sartori, R., Charkhabi, M., Scalco, A., Costantini, A., and Ceschi, A. 2016. "The relationship between the big five personality traits and job performance in business workers and employees' perception". *International Journal of Business Research*, 16(2):63-76.
- Soni, T. J. 2003. *The relationship between the Big Five personality dimensions and job satisfaction in a petro-chemical organisation*. South Africa: North-West University.

- Srivastava, D. 2012. "The relationship between the five factors of Personality, individual job performance and its components in the indian corporate sector". *International Journal of Advanced Research in Management*, 3(1):37-55.
- Tabachnick, B. G., Fidell, L. S., & Ullman, J. B. (2007). *Using multivariate statistics*, 5th ed. Boston, MA: Pearson.
- Tyler, G. P., and Newcombe, P. A. 2006. "Relationship between work performance and personality traits in Hong Kong organizational settings". *International Journal of Selection and Assessment*, 14(1):37-50.
- Vivekananda, S. 2015. *Personality Development*. India: Advaita Ashrama.
- Williamson, J. M., Pemberton, A. E., and Lounsbury, J. W. 2008. "Personality traits of individuals in different specialties of librarianship". *Journal of Documentation*, 64(2):273-286.
- Williams, L. J., Vandenberg, R. J., & Edwards, J. R. (2009). Structural equation modeling in management research: a guide for improved analysis. *The Academy of Management Annals*, 3 (1), 543–604.
- Yakasai, A. M., and Jan, M. T. 2015. "The impact of big five personality traits on salespeople's performance: exploring the moderating role of culture". *Kuwait Chapter of Arabian Journal of Business and Management Review*, 4(5):11-26.