



Document details

< Back to results | 1 of 1

↗ Export ↴ Download 🖨 Print ✉ E-mail 📄 Save to PDF ☆ Add to List More... >

View at Publisher

International Journal of Engineering and Advanced Technology **Open Access**
Volume 9, Issue 1, October 2019, Pages 3809-3814

Predicting most productive requirements elicitation teams using mbti personality traits model (Article) **(Open Access)**

Iqbal, M.A. ✉, Shah, A. ✉, Khan, T.K.U. ✉

Kulliyah of ICT, International Islamic University, Malaysia

Abstract

✓ View references (15)

–The social and collaborative nature of requirements elicitation process bases its core dependency on aptitude, attitudes, and personality characteristics of its participants. The participant's personality characteristics are directly related with their personality traits, which can be categorized using different personality assessment models. The MBTI personality assessment model has been used successfully for the assessment of personality of software engineers since last few decades. In this article, the personality traits for requirements elicitation teams have been predicted using MBTI personality assessment model, on the basis of their industry demanded job descriptions/tasks and major soft skills. The article presents a complete personality prediction process using a systematic approach based on major soft skills mapping with job descriptions, personality attributes and personality traits. The obtained results show that extraversion and feeling personality traits are the most suitable personality traits for requirements analysts/engineers who are assigned the task of requirements elicitation. The obtained results are very much aligned with the already published scholar's work for software engineer's personality assessment and development team composition. ©BEIESP.

SciVal Topic Prominence ⓘ

Topic: Software engineering | Software design | Software engineers

Prominence percentile: 77.320



Author keywords

MBTI Personality Traits

Personality Traits

Personality traits Prediction

RE Teams Personality

Requirements Analyst Personality

Requirements Elicitation

ISSN: 22498958

Source Type: Journal

Original language: English

DOI: 10.35940/ijeat.A9833.109119

Document Type: Article

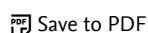
Publisher: Blue Eyes Intelligence Engineering and Sciences Publication

References (15)

View in search results format >



Export



Create bibliography

Metrics ⓘ View all metrics >



PlumX Metrics



Usage, Captures, Mentions,
Social Media and Citations
beyond Scopus.

Cited by 0 documents

Inform me when this document
is cited in Scopus:

Set citation alert >

Set citation feed >

Related documents

Big-five personality traits mapped with software development tasks to find most productive software development teams

Aqeel Iqbal, M. , Aldaihani, A.R. , Shah, A.
(2019) *International Journal of Innovative Technology and Exploring Engineering*

Soft sides of software

Capretz, L.F. , Ahmed, F. , da Silva, F.Q.B.
(2017) *Information and Software Technology*

Beliefs, practices, and personalities of software engineers: A survey in a large software company

Smith, E.K. , Bird, C. , Zimmermann, T.
(2016) *Proceedings - 9th International Workshop on Cooperative and Human Aspects of Software Engineering, CHASE 2016*

View all related documents based on references

Find more related documents in Scopus based on:

- ☐ 1 Lane, S., O'Raghallaigh, P., Sammon, D.

Requirements gathering: the journey (Open Access)

(2016) *Journal of Decision Systems*, 25, pp. 302-312. Cited 3 times.
<http://www.tandfonline-com.ezproxy.um.edu.my/toc/tjds20/current>
 doi: 10.1080/12460125.2016.1187390

[View at Publisher](#)

- ☐ 2 Wong, L.R., Mauricio, D., Rodriguez, G.D.

A systematic literature review about software requirements elicitation

(2017) *Journal of Engineering Science and Technology*, 12 (2), pp. 296-317. Cited 12 times.
http://jestec.taylors.edu.my/Vol%2012%20issue%202%20February%202017/12_2_2.pdf

- ☐ 3 Niknafs, A., Berry, D.

The impact of domain knowledge on the effectiveness of requirements engineering activities

(2017) *Empirical Software Engineering*, 22 (1), pp. 80-133. Cited 6 times.
www.kluweronline.com/issn/1382-3256/
 doi: 10.1007/s10664-015-9416-2

[View at Publisher](#)

- ☐ 4 Yilmaz, M., O'Connor, R.V., Colomo-Palacios, R., Clarke, P.

An examination of personality traits and how they impact on software development teams

(2017) *Information and Software Technology*, 86, pp. 101-122. Cited 21 times.
http://www.elsevier.com.ezproxy.um.edu.my/wps/find/journaldescription.cws_home/525444/description#description
 doi: 10.1016/j.infsof.2017.01.005

[View at Publisher](#)

- ☐ 5 Cruz, S., Da Silva, F.Q.B., Capretz, L.F.

Forty years of research on personality in software engineering: A mapping study

(2015) *Computers in Human Behavior*, 46, pp. 94-113. Cited 73 times.
 doi: 10.1016/j.chb.2014.12.008

[View at Publisher](#)

- ☐ 6 Barroso, A.S., Madureira, J.S., Melo, F.S., Souza, T.D.S., Soares, M.S., Do Nascimento, R.P.C.

An evaluation of influence of human personality in software development: An experience report

(2016) *2016 8th Euro American Conference on Telematics and Information Systems, EATIS 2016*, art. no. 7520108. Cited 4 times.
 ISBN: 978-150902436-0
 doi: 10.1109/EATIS.2016.7520108

[View at Publisher](#)

- ☐ 7 Kosti, M.V., Feldt, R., Angelis, L.

Archetypal personalities of software engineers and their work preferences: a new perspective for empirical studies

(2016) *Empirical Software Engineering*, 21 (4), pp. 1509-1532. Cited 10 times.
www.kluweronline.com/issn/1382-3256/
 doi: 10.1007/s10664-015-9395-3

[View at Publisher](#)