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Authors

Numata, Takashi

Kudo, Yasuyuki

Kato, Takeshi

et al.

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Toward Digital Transformation of Personality Questionnaire: Development of Digitalized Questionnaires and Correlation Analysis between Personality Traits and Reactions Obtained during answering the Questionnaires

Takashi Numata

Hitachi, Ltd., Kokubunji, Tokyo, Japan

Yasuyuki Kudo

Hitachi, Ltd., Kyoto, Japan

Takeshi Kato

Kyoto University, Kyoto, Japan

Michihiro Kaneko

Kyoto University, Kyoto, Japan

Michio Nomura

Kyoto University, Kyoto, Japan

Yusuke Moriguchi

Kyoto University, Kyoto, Japan

Ryuji Mine

Kyoto University, Kyoto, Japan

Abstract

Personality traits evaluation is useful for effective supports of work and mental care. However, answering personality questionnaire demands much time and mental load for subjects (target persons). To reduce such time and load, one of the solutions is a digital transformation of personality questionnaire. Toward digital transformation of personality questionnaire, we developed digital questionnaires, which enable us to obtain not only answers but also answering reaction to questions. By using correlation analysis, we found significant correlations between 12 types personality traits and six reaction indicators obtained by the questionnaires. To develop a simpler and accurate digital questionnaires, it would be effective to develop a personality estimation method by using a combination of answer and reaction obtained by the questionnaires