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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**

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## **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