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(57) Abstract :

ABSTRACT: Title: A Measuring Scale for Determining COVID-19-Related Distress and Anxiety Symptoms and Method Thereof

The present disclosure proposes a measuring scale system (100) that measures individuals' stress levels and identifies their mental health condition. The measuring scale system 100 comprises a computing device (102) having a controller (104), a memory (106), a confirmatory factor analysis module (108), a Cronbach's alpha factor analysis module (110) and a statistical analysis module (112). The statistical analysis module (112) comprises a Varimax rotation (114) and a Bartlett's method (116). At first, data is collected from respondents by the computing device (102) through a network (118) and prepares a questionnaire based on multiple parameters. Later, the questionnaire is answered by grading each question. The computing device (102) receives answers for the questionnaire and separates multiple questions based on four factors, thereby analysing the separated questions in the questionnaire for evaluating the physiological state of each respondent.

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