S1.5

Session 2 - MS 2 - Introducing inFACT: the individual functional activity composite tool

29/09/2023 **16:40:00 - 18:00:00**

BACKGROUND

A comprehensive depiction of an individual's functional abilities and the means to relate these abilities to job demands are key components for sick leave or work disability evaluation. In this symposium, we propose a novel system, inFACT (individual functional activity composite tool), which brings together different measurements of functional abilities that can be linked to work requirements in order to identify potential job fit. Using the framework of the World Health Organization's International Classification of Functioning, Disability and Health (ICF), inFACT leverages cutting edge methods in artificial intelligence (natural language processing) and test theory (item response theory) to provide different measurement perspectives and together offer a more complete picture of an individual. This tool allows users to visualize and explore data in multiple ways. This symposium offers an opportunity to introduce inFACT to an audience of relevant stakeholders, as well as solicit input on potential applications and further development.

AIM

This mini symposium aims to introduce a novel system for measuring functional abilities at the level of the whole person that can aid in sick leave or work disability evaluation. You will learn about natural language processing, a field of artificial intelligence, that can be used to identify and extract key information from large bodies of text, and an approach for linking measures of function to work demands to be able to make job recommendations based on an individual's current functional abilities. You will have the opportunity to discuss potential applications, directions, and improvements to such a system.

PANEL CONTACT

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ABSTRACT

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