



A New 2D Interaction-based Method for the Behavioral Analysis of Instrumental Activities of Daily Living

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Résumé en anglais	<p>In neuropsychology, many computerized solutions have been proposed in order to assess patients' functioning in activities of daily living, via realistic interactive simulation. In this context, most developed systems are based on simple devices, real time 2D interaction, and monoscopic 3D computer graphics environment. Behavioral analysis has drawn the interest of many domains, such as neuropsychology, ergonomics, web design, or virtual reality. However, advances on this topic remains fragmented in their respective areas. Thus, in computerized solutions applied to neuropsychology, the behavioral analysis does not take into account the data from interaction. The potential interest of computerized solutions is hence underexploited. In this paper, we propose a transdisciplinary solution, based on a finer analysis of 2D interaction data, such as stop duration. This method could reveal interesting aspects of users' behaviors.</p>
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