

File name: FID-04.txt

Result: PLAGIARISM DETECTED

Plagiarism Detected: 94.55%

Text to analyze: Interactive software agents, such as chatbots, are progressively being used in the area of health and well-being. The definition, implemented in Web Ontology Language (OWL), may serve as an automated tool, enabling systems to recognize empathy in interactions—be it an interactive agent evaluating its own empathic performance or an intelligent system assessing the empathic capability of its interlocutors. In the current state-of-the-art, there are no tools to do that. We present the potential of the formal definition in a controlled user-study by applying it as a tool for assessing empathy in two state-of-the-art health and well-being chatbots; Replika and Wysa. Our findings suggest that our definition captures necessary conditions for assessing empathy in interactive agents, and how it can uncover and explain trends in changing perceptions of empathy over time. Based on a systematic literature review and a qualitative analysis of recent approaches to empathy in interactive agents for health and well-being, a formal definition—an ontology—of empathy is developed. In order to understand empathic capabilities in interactive software agents, we need a precise notion of empathy. The literature discusses a variety of definitions of empathy, but there is no consensus of a formal definition. In such applications, where agents engage with users in interpersonal conversations for, e.g., coaching, comfort or behavior-change interventions, there is an increased need for understanding agents’™ empathic capabilities.

Plagiarized Sentence: The following sentence: ' Interactive software agents, such as chatbots, are progressively being used in the area of health and well-being.' presents plagiarism from the 'org-045.txt' file and sentence 'Interactive software agents, such as chatbots, are progressively being used in the area of health and well-being.'

Plagiarized Sentence: The following sentence: ' The definition, implemented in Web Ontology

Language (OWL), may serve as an automated tool, enabling systems to recognize empathy in interactionsâ€”be it an interactive agent evaluating its own empathic performance or an intelligent system assessing the empathic capability of its interlocutors.' presents plagiarism from the 'org-045.txt' file and sentence 'The definition, implemented in Web Ontology Language (OWL), may serve as an automated tool, enabling systems to recognize empathy in interactionsâ€”be it an interactive agent evaluating its own empathic performance or an intelligent system assessing the empathic capability of its interlocutors.'

Plagiarized Sentence: The following sentence: ' In the current state-of-the-art, there are no tools to do that.' presents plagiarism from the 'org-045.txt' file and sentence 'In the current state-of-the-art, there are no tools to do that.'

Plagiarized Sentence: The following sentence: ' We present the potential of the formal definition in a controlled user-study by applying it as a tool for assessing empathy in two state-of-the-art health and well-being chatbots; Replika and Wysa.' presents plagiarism from the 'org-045.txt' file and sentence 'We present the potential of the formal definition in a controlled user-study by applying it as a tool for assessing empathy in two state-of-the-art health and well-being chatbots; Replika and Wysa.'

Plagiarized Sentence: The following sentence: ' Our findings suggest that our definition captures necessary conditions for assessing empathy in interactive agents, and how it can uncover and explain trends in changing perceptions of empathy over time.' presents plagiarism from the 'org-045.txt' file and sentence 'Our findings suggest that our definition captures necessary conditions for assessing empathy in interactive agents, and how it can uncover and explain trends in changing perceptions of empathy over time.'

Plagiarized Sentence: The following sentence: ' Based on a systematic literature review and a qualitative analysis of recent approaches to empathy in interactive agents for health and well-being,

a formal definitionâ€”an ontologyâ€”of empathy is developed.' presents plagiarism from the 'org-045.txt' file and sentence 'Based on a systematic literature review and a qualitative analysis of recent approaches to empathy in interactive agents for health and well-being, a formal definitionâ€”an ontologyâ€”of empathy is developed.'

Plagiarized Sentence: The following sentence: ' In order to understand empathic capabilities in interactive software agents, we need a precise notion of empathy.' presents plagiarism from the 'org-045.txt' file and sentence 'In order to understand empathic capabilities in interactive software agents, we need a precise notion of empathy.'

Plagiarized Sentence: The following sentence: ' The literature discusses a variety of definitions of empathy, but there is no consensus of a formal definition.' presents plagiarism from the 'org-045.txt' file and sentence 'The literature discusses a variety of definitions of empathy, but there is no consensus of a formal definition.'

Plagiarized Sentence: The following sentence: ' In such applications, where agents engage with users in interpersonal conversations for, e.g., coaching, comfort or behavior-change interventions, there is an increased need for understanding agentsâ€™ empathic capabilities.' presents plagiarism from the 'org-045.txt' file and sentence 'In such applications, where agents engage with users in interpersonal conversations for, e.g., coaching, comfort or behavior-change interventions, there is an increased need for understanding agentsâ€™ empathic capabilities.'

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