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Recent developments in affective recommender systems

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Abstract

Recommender systems (RSs) are playing a significant role since 1990's as they provide relevant, personalized information to the users over the internet. Lots of work have been done in information filtering, utilization, and application related to RS. However, an important area recently draws our attention is affective. Affective recommender system (ARS) is latest trending area of research, as publication in this domain are few and recently published. ARS are associated with human behaviour, human factors, mood, senses, emotions, facial expressions, body gesture and physiological with human-computer interaction (HCI). Due to this assortment and various interests, more explanation is required, as it is in premature phase and growing as compared to other fields. So we have done literature review (LR) in the affective recommender systems by doing classification, incorporate reputed articles published from the year 2003 to February 2016. We include articles which highlight, analyse, and performed a study on affective recommender systems. This article categorizes, synthesize, and discussed the research and development in ARS. We have classified and managed ARS papers according to different perspectives: research gaps, nature, algorithm or method adopted, data sets, the platform on executed, types of information and evaluation techniques applied. The researchers and professionals will positively support this survey article for understanding the current position, research in affective recommender systems and will guide future trends, opportunity and research focus in ARS.

Keywords: Recommender Systems, Affective, Human factors, Review, Emotions

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