LITERATURE SURVEY:

To put this survey in context, they identified and present related review and survey articles to explain in which ways our article differs from and extends earlier work. In a recent work . Presented a survey of RS leveraging multimedia content, i.e., visual, audio, and/or textual features. The domains studied in this survey include various ones such as media streaming for audio and video recommendation, e-commerce for recommending different products including fashion items, news, and information recommendation, social media, and so forth. While fashion RS were also discussed, the authors only included a small portion of the topics and papers in this domain.

Here, they discuss and present a comprehensive survey of significant tasks, challenges, and types of content used in the fashion RS field. They have also identified surveys where the authors present a literature review of techniques at the intersection of fashion and computer vision (CV) and/or natural language processing (NLP). While they find these works relevant to this article, they remain largely different from the review presented here as those systems are not focused on RS but on other aspects of the fashion domain, such as text generation from images or pose estimation. Moreover, as another point of difference, they also provide recent techniques dealing with item visual and textual content representation exploited by RS approaches. Perhaps the most relevant work to our current survey is a recent book chapter by Jaradat et al. This chapter focuses on discussing the state of the art of fashion recommendation systems; in particular, the authors affirm that deep learning represented a turning point with respect to the canonical approaches and therefore the authors examined four different tasks that use this new approach. Additionally they provided examples and possible problems and their evaluation. In particular, the authors focused their review on tasks related to social media and the size recommendation problem .

In their survey, in addition to analyzing the state of the art of the most commonly used algorithms in a wide range of tasks, we went in depth to understand which are the main features used by the more modern fashion recommender systems. In fact, an extensive discussion is held on how both the user and the items, with their characteristics, can be a source for the definition of models with accurate recommendations. Furthermore, since the fashion domain focuses on visual aspects, an in-depth study is also included here on computer vision approaches for increasing the understanding of item images.