SMART FASHION RECOMMENDER

A PROJECT REPORT

Submitted by

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LITERATURE SURVEY

TITLE	AUTHORS AND YEAR	MERITS
Fashion Recommendation System, Model And Methods	Chakraborty, S.Hoque, M.S.Jeem, N.R. Biswas, 2021	Content Based - Products recommended based on the evaluation of experienced uses. CBF does not need any information from other users, which makes this technique more feasible and less time consuming.
A Review Of Modern Fashion Recommender System	Yashar Deldjoo , Polytechnic University of Bari, Italy -2021	3D model of the human body that can be used for recommendations according to different body shapes. In fashion, it is essential to know your body shape and chooses clothes to make your body look good.
Imaged - Based Fashion Recommender System	Shaghayegh Shirkhani , Lulea University of Technology, Department of Computer Science -2021	In this chapter, we introduce the significance of the research and the gap,our objectives,and contributions to addressing these gaps,highlighting the main research questions.
Content Based Apparel Recommendation System For Fashion Industry	Swathi Sambangi and Illa Pavan Kumar, Department of Information Technology-2019	The industry for apparels has a major role in the development and globalization of countries as it has been incorporated into the world economy. Fashion industry involves huge supply demand chain of designing garments and production of sales.
Recommendation System	Dr.Mohan Kubendiran and Nishal Pradhan ,School of Computer Science and Engineering -2019	Recommendation systems aim at identifying the best products and contents that suits the preference of a user.

EXISTING SYSTEM

A recommender system is a filtering technique which aim at predicting the preference of a user or rather how the userwould rate an item and would prefer an item in the future. Letus look at an example from the online movie streaming company called Netflix. Netflix always recommends moviesto users based on what he/she has watched or clicked on.

Suppose, a user likes action movies, Netflix would recommend that user action movies all the time. In the case of online shopping site called Amazon, when a user views a product, it also recommends other similar products viewed by other users to that user. Likewise, in the case of friend suggestions on Facebook, it always recommends friends based on location, user's details and history, mutual friends, etc.

Recommender system has become increasingly popular in this era which consists of technology and advancement in a number of areas, like recommending books, news articles, movies to a user, music, commercial products, restaurants, web pages, and many more. Recommender systems help users navigate large collections of products to find items relevant to their interests leveraging large amounts of product information and user signals like product views, followed or ignored items, purchases or web-page visits to determine how, when and what to recommend to their customers. Recommender systems have grown to be an essential part of all large Internet retailers, driving up to 35% of Amazon sales [103] or over 80% of the content watched on Netflix [31].

In this work As there is a lack of customized services, the users may face difficulties to find discrimination over different types of retailers available on electronic product catalogs, they may also be confused with complex navigations that redirect to other pages based on their selection. This drawback can be overwhelmed by following suggestions on categories that they have chosen or from the products that they have already viewed.

Multiple number of online marketing companies around world-wide ,has been practicing the naive method for apparel marketing website. This paper aims to simulate this recommendation system on real world data set taken from the marketing giant, Amazon's Product Advertising API, in a policy compliant manner by following the procedure in three steps :Analyzing the data to select the pivot for the recommendation system, Data preprocessing to remove invalid sections and to implement and find appropriate choices among the techniques.

Clothing is a kind of symbol that represents people's internal perceptions through their outer appearance. It conveys information about their choices,faith, personality, pro-fession, social status, and attitude towards life. In this work we are interested in recommender systems that operate in one particular vertical market:garments and fashion products. This setting introduces a particular set of challenges and sub-problems, that are relevant for developing effective recommender systems.

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PROPOSED SYSTEM

In this section, we suggest some future research directions for fashion recommender systems. Considering the rapid growth of multimedia data, where visual information will be the critical component.

More in-depth research in applications of multi-model fusion and multi-task learning in fashion recommender systems are required to model recommender system to be capable of profiling users comprehensively.

Besides, while the majority of researches in fashion recommender systems is mainly based on similarity-based retrieval techniques, there is a need for more studies in the development of new functions such as designing clothes, which are highly demanded in future fashion recommender systems.

 Furthermore, most of the current fashion datasets do not contain outfit compatibility annotations, or they are limited in terms of size and the type of annotations they provide.Consequently, most researchers built their dataset, which is a labor-costing process, and most of them are not accessible publicly for further research.

So, the other future direction for subsequent studies may be focusing on developing automatic annotation methods, constructing large-scale rich annotated data sets for particular task definitions in fashion recommender systems.

From an ethical perspective in fashion recommender systems also there is a need for performing the comprehensive study since it has not been studied in almost any of the researches, which have been reviewed through this thesis.