LITERATURE REVIEW FOR SMART FASHION RECOMMENDER APPLICATION

1.Title : Personalized fashion recommender system

Authors : M Sridevi, N ManikyaArun, M Sheshikala and E Sudarshan

Publications : IOP Publishing Ltd.

Year : 10 October 2020

Description :

This project aims at using an image of a product given as input by the user to generate recommendations since many-a-time people see something that they are interested in and tend to look for products that are similar to that. We use neural networks to process the images from Deep Fashion Dataset (DFD) and a nearest neighbour backed recommender to generate the final recommendations.

Our learnings :

- Using Neural networks to make our project with familiar product recommendation.
- In this review we are going to add the Deep Fashion dataset functionality for neighbour backed recommendation.

2 . Title : Fashion image retrieval

Authors : Sun, G-L. Wu.X, Peng.Q

Publications : Neurocomputing 2016,213,115-124

Year : November 2016

Description :

Offers recommendation based on previous sales, clothes purchase records, eye movement records and item click rate. CNN can be used for feature extraction and image classification in conjunction with RNN, which helps in the retrieval of similar image products.

Our learnings :

- We are getting the CNN module to use in our project completely detailed information -compare products Recommendation.
- For Image classification we need to provide the RNN functionality to improving the chat bot recommendation.
- They use More logical way to implement the chat bot method.

3.Title : Fashion Recommendation Systems

Authors : Samit Chakraborty, Md. Saiful Hoque , Naimur Rahman Jeemand Manik Chandra Biswas.

Publications : https://www.mdpi.com/2227-9709/8/3/49

Year : 26 July 2016

Description :

Image-based fashion recommendation systems (FRSs) have attracted a huge amount of attention from fast fashion retailers as they provide a personalized shopping experience to consumers. With the technological advancements, this branch of artificial intelligence exhibits a tremendous amount of potential in image processing, parsing, classification, and segmentation.

Our learnings :

- Collect the User details for user understanding through application and Providing better features to the Customer.
- With the help of Artificial Intelligence, it explicit a huge amount of processing that images to fashion style recommendation in our project.

4.Title : Personal wardrobe recommendation

Authors : Guan C, Qin S, Ling W, Ding G.

Publications : International Journal Cloth Science technology 2016.

Year : 2016

Description :

Smart closet system can suggest appropriate fashion items estimating the information related to weather and events. Bayesian network (BN) can be employed to offer personalized fashion recommendation system developed based on the history of wardrobe items usages. The study focuses on helping the user to find optimized matching pair of clothes taking into account intricate details like style, patterns, colors, textures.

Our learnings :

- Got new concepts overview about smart fashion recommender applications and realized the structure and customer needs to more effective services.

- In depth study of this Smart closet System performed for various systems that are developed for the various features for making a robust system that finds matching clothes and makes recommendations.

5.Title **:** Clothing Fashion Style Recommendation System

Authors **:** Wei Dai

Publications : Boston, Massachusetts : Northeastern University

Year **:** January 2015

Description :

This system suggests a framework that divides the system into three decoupled and autonomous components in order to provide a highly flexible and extensible system using SVM model. Then we describe an implementation of this framework on a Linux server.

Our learnings:

- In this article we learn about that how to create fashion recommendation application through SVM for recommendations based on visual features, clothing attributes and occasions.

- Using the Apriori algorithm is used to find correlation between clothing and context attributes and the frequent item set is gathered for flexibility.

- We are planning to execute and ensure that recommended clothes are satisfying the requirement of wearing properly and aesthetically for every customer.

References :

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