SMART FASHION RECOMMENDATION SYSTEM

Literature survey

Arul Jothi Ja et.al[1] **(**2017) conducted event-based fashion recommendation system for object detection. The model is trained using nine scenariors such as White Wedding, Indian Wedding, Conference, Funeral, Red Carpet, Pool Party, Birthday, Graduation and Workout and also trained another model to detect clothes out of f fifty-three categories of clothes worn at the event. here the author used a novel approach to recommend clothes based on events and can be used to give better suggestions to its users.

S. Ren et.al [2] (2017) propose a collabrative fashion recommendation system called CFRS. The author propose a new metric called trend score.Trend score shows how a trendy product is and calculated the rating provided by CFRS users. Finally the author used the algorithm to analyze the trend score is used as sorting the product of each category from trendiest.

D. Goel et.al [3] (2015) online shopping systems are looking for a method that can recommend items according to the user preference.The author propose a content-based clothing recommender system using deep neural network. In content-based systems, product features are required for prediction of unobserved items ratings.In here the author proposed system by using a deep neural network, the cloth category is obtained and the need to manually extract the product features is eliminated by producing the required features with a large and useful volume. The main advantage of the author system is to specify gender as a feature in making suggestions then shows the results to the user

F. Isinkaye et.al [4] (2015) the author present an item-to-set metric learning framework that learns to compute the similarity between a set of historical fashion items of a user to a new fashion item.To extract features from multi-modal street-view fashion items, the author propose

an embedding module that performs multi-modality feature extraction and cross-modality gated fusion. To validate the effectiveness of the author approach, author collect a real-world social media dataset.

Girshick et.al [5] (2018) propose to recommend images by explicitly learning and exploiting part based similarity. here the author proposed a novel approach of learning discriminative features from weakly-supervised data by using visual attention over the parts and a texture encoding network. It shows that the learned features surpass the state-of-the-art in retrieval task on DeepFashion dataset. finally author used the proposed model to recommend fashion images having an explicit variation with respect to similarity of any of the parts.

H. Lieberman and F. Lam [6] (2021) purpose of the author is to develop a system which outputs outfit images with partially modified outfit of the input image according to the user's preferred style. The author create the user's original dataset to learn the user's preference in advance by asking the user to classify a group of images into 4 styles. So he conducted an evaluation experiment of our system to confirm that our system reflects user's individual preference. As a result of the evaluation experiment, it was confirmed that the same image was recommended as different styles for different users, and that the users also thought that the recommended style was match to the current style that the user's classification of the style.

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References:

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