SMART FASHION RECOMMENDER APPLICATION

Book Title: Development of Novel Big Data Analytics Framework for Smart Clothing

Book Author: Siew Teay Hon

Year of Publication: August 2020

Abstract: In this paper, the prospects from smart clothing such as wearable devices in generating Big Data are critically analyzed with a focus on applications related to healthcare, sports and fashion.The proposed novel framework identifies and discusses sources of Big Data from the human body, data collection, communication, data storage, data analytics and decision making using artificial intelligence (AI) algorithms. The paper concludes by identifying challenges facing the integration of Big Data analytics with smart clothing. Recommendation for further development opportunities and directions for future work are also suggested.

Book Title: Intelligent Fashion Recommender System: Fuzzy Logic in Personalized Garment Design

Book Author: L.C.Wang,Y.Chen

Year of Publication: November 2014

Abstract: This paper proposes a new intelligent fashion recommender system to select the most relevant garment design scheme for a specific consumer in order to deliver new personalized garment products. This system integrates emotional fashion themes and human perception on personalized body shapes and professional designers' knowledge. The corresponding perceptual data are systematically collected from professional using sensory evaluation techniques.

Book Title: Differentiated Fashion Recommendation Using Knowledge Graph and Data Augmentation

Book Author: Cairong Yan

Year of Publication: July 2019

Abstract: E-commerce recommender systems (RSs) can help users quickly find what they need or new products they might be interested in. The fashion e-commerce websites can collect the attributes of items and users as well as the user purchase behaviors, but lack the fine-grained classification of the items and the implicit relationship between items and users. This paper focuses on Amazon fashion dataset, one of the most widely used datasets in the fashion field. A differentiated recommendation framework is proposed that provides different recommendation paths for active and inactive users to improve the overall recommendation quality.

Book Title: Smart Closet: Statistical-based apparel recommendation system

Book Author: Duangkamol Na Nakorn

Year of Publication: 2014

Abstract: Managing closet has long been a problem especially in today's world where people are always in hurry and most of the time, end up choosing to wear the same dressing styles or the same piece of clothes. In addition, we also notice that people tend to stick with one or two dressing style and buy new clothes that are very similar to the ones they already have. This usually results in a huge waste of time and money. Our team sees such the problems and proposes to develop the Smart Closet Application to help people efficiently manage their closet, easily keep track the clothes in the closet, and effectively utilize their closet inventories. Smart Closet Application allows you to store your closet directly in your smart phone. User can add his/her own clothes and accessories into the Smart Closet system.

Book Title: Fashion Recommendation Systems, Models and Methods

Book Author: Samit Chakraborty

Year of Publication: July 2021

Abstract: In recent years, the textile and fashion industries have witnessed an enormous amount of growth in fast fashion. On e-commerce platforms, where numerous choices are available, an efficient recommendation system is required to sort, order, and efficiently convey relevant product content or information to users. 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.