

LITERATURE SURVEY

The textile and apparel industries have grown tremendously over the last years. Customers no longer have to visit many stores, stand in long queues, or try on garments in dressing rooms as millions of products are now available in online catalogs. However, given the plethora of options available, an effective recommendation system is necessary to properly sort, order, and communicate relevant product material or information to users. Effective fashion RS can have a noticeable impact on billions of customers' shopping experiences and increase sales and revenues on the provider-side.

The goal of this survey is to provide a review of recommender systems that operate in the specific vertical domain of garment and fashion products. We have identified the most pressing challenges in fashion RS

research and created a taxonomy that categorizes the literature according to the objective they are trying to

accomplish (e.g., item or outfit recommendation, size recommendation, explainability, among others) and type

of side-information (users, items, context). We have also identified the most important evaluation goals and

perspectives (outfit generation, outfit recommendation, pairing recommendation, and fill-in-the-blank outfit

compatibility prediction) and the most commonly used datasets and evaluation metrics.

CCS Concepts:

- Information systems → Recommender systems

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Additional Key Words and Phrases: fashion recommender systems, visual, textile, size recommendation

Yashar Deldjoo, Fatemeh Nazary, Arnau Ramisa, Julian McAuley, Giovanni Pellegrini, Alejandro Bellogin,

and Tommaso Di Noia. 2021. A Review of Modern Fashion Recommender Systems. ACM Comput. Surv. 37, 4,

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