

USF NEXUS INITIATIVE 2019 AWARD RECIPIENT

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Market Design Approaches for Fashion Goods Distribution

This project aims to design a way to distribute fashion items to retail stores in a way that maximizes revenue and fairness among retailers. The goal is to make fashion companies' operations more efficient, as well as the distribution of products fairer and more transparent.

This project will also contribute to the theoretical development of stable matching. The matching problem will consider revenue maximization, diversification, fairness, and preferences. The problem structure is a hybrid of styles to stores (many-to-many) and headquarters to stores (one-to-many) matchings.

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