

Team RECYCLOTH: Challenging the Fast Fashion Industry: A Zero Fabric Waste Campus

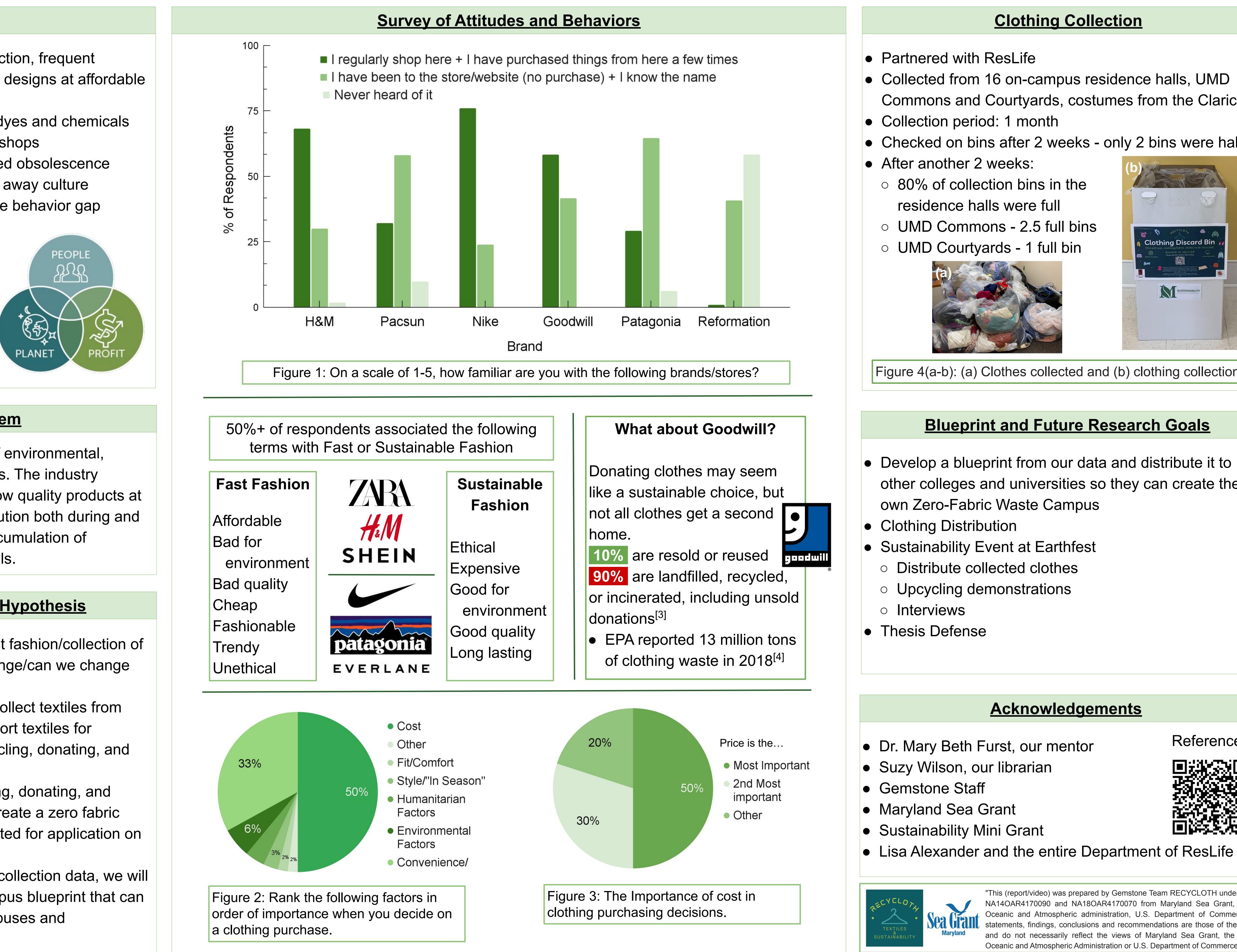
Background

Fast Fashion: Quick response production, frequent assortment changes, and fashionable designs at affordable prices.^[1]



- Toxic dyes and chemicals
- Sweatshops
- Planned obsolescence
- Throw away culture
- Attitude behavior gap

Sustainability: Making best use of the resources available and practicing mindful consumption of goods and services so that all basic needs and quality of life are met without jeopardizing the needs of future generations.^[2]



Research Problem

Fast fashion has created a number of environmental, humanitarian, and economic problems. The industry focuses on selling large amounts of low quality products at low prices, causing water and air pollution both during and after manufacturing as well as the accumulation of non-biodegradable materials in landfills.

Research Question and Hypothesis

- How have the attitudes towards fast fashion/collection of clothes changed? Do attitudes change/can we change these attitudes?
 - We will collect behavioral data, collect textiles from collection bins on campus, and sort textiles for redistribution in 3 fashions: upcycling, donating, and recycling.
- Can a system of collecting, recycling, donating, and reselling textiles be developed to create a zero fabric waste campus? Can this be replicated for application on other college campuses?
 - After analyzing survey data and collection data, we will develop a zero fabric waste campus blueprint that can be used by other university campuses and communities.

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Clothing Collection

- Collected from 16 on-campus residence halls, UMD
 - Commons and Courtyards, costumes from the Clarice
- Checked on bins after 2 weeks only 2 bins were half full



Figure 4(a-b): (a) Clothes collected and (b) clothing collection bin

Blueprint and Future Research Goals

- Develop a blueprint from our data and distribute it to other colleges and universities so they can create their

Acknowledgements





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