



PlasticScore Entry #2

Analysis tool for equity impacts of plastic pollution legislation

Project Summary

Our tool for analyzing equity impacts of plastic pollution policies is designed to meet the needs of campaign managers for environmental non-profits. We utilize our crowdsourced restaurant packaging dataset (via our PlasticScore app), in combination with business listings and census data from the CIM to deliver insights for these decision makers.

CIM Datasets:	All Restaurants in Colorado	Business Entities in Colorado	Census Tracts in Colorado 2018
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Our proposed tool will allow for analysis of restaurant packaging materials compared to community demographic information as well as restaurant cuisine. This data will help inform environmental non-profits about which types of restaurants and communities will be impacted most by bans on materials, such as styrofoam. From there, these organizations can use that data to help legislators craft policy which mitigates these impacts, such as providing financial support to restaurants for the packaging transition. This will help push forward the non-profits environmental mission, while taking into equity impacts from these policies.

For the analysis tool, we'll combine business listing data and census demographic information with our packaging data, and present it in a mapping interface similar to Zillow. Users will be able to select specific jurisdictions or neighborhoods on the map, and we would allow for filtering by restaurant type, demographics, materials, etc.

PlasticScore Dataset

The crowdsourced dataset from our PlasticScore app is the key to our implementation of these tools. By reaching only 1,000 active reviewers in the state, we could have new dine-in and takeout reviews every 3 months for the bulk of Colorado's 10,000 restaurants. This is a very achievable goal, and we are just now starting our outreach and marketing efforts to reach it.

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