

Harmful Chemicals in Cosmetics :

Uncovering the Layers of Beauty





Table of Contents

- 01 Introduction
- 02 Data overview
- 03 Limitations and challenges
- 04 Data questions

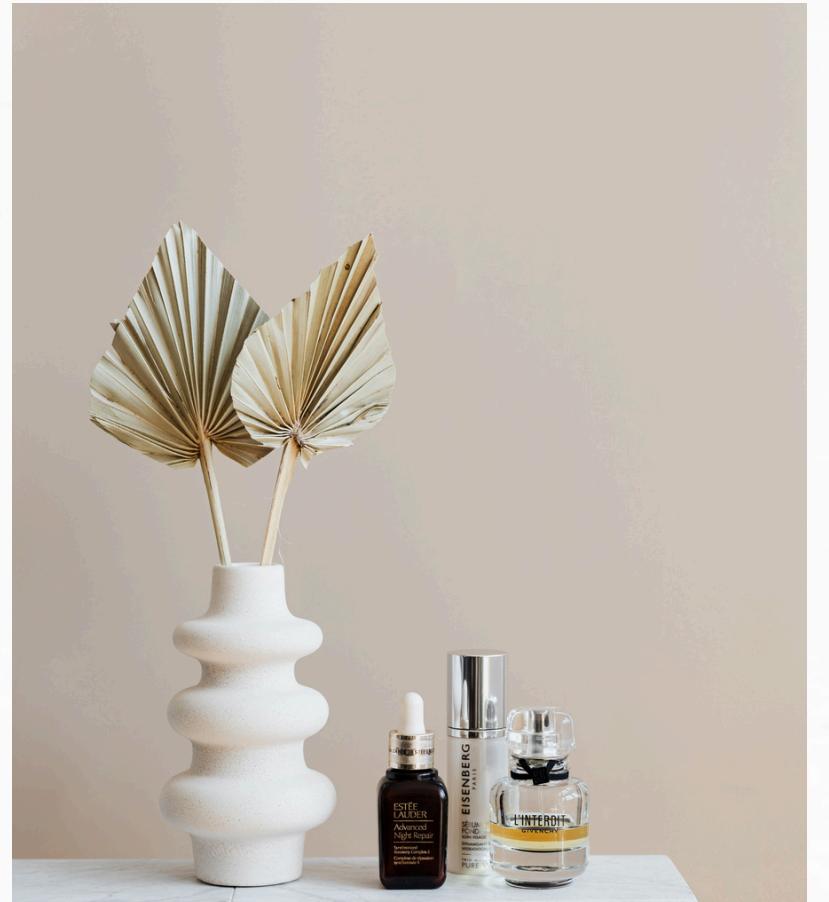
Introduction

Beauty and cosmetic products are a big part of women everyday life. I have always seen my sister being careful about choosing safe, organic products. She spends a lot of time researching ingredients and reading reviews before buying anything. She often advises me on what to use and what to avoid. Seeing her dedication made me curious. Are these products really as safe as they seem? I wanted to explore the presence of harmful chemicals in cosmetics.



Data overview

- The dataset I used for this project comes from California Safe Cosmetics Program (CSCP) which operates under the California Department of Public Health
- Companies with annual sales of over \$1 million are required to report if their products contain chemicals linked to cancer, birth defects or reproductive harms.
- The dataset includes reports from 2009 to 2020.



Limitations and challenges

There are some limitations to this data: Not all harmful products are included in this dataset due to various reasons-

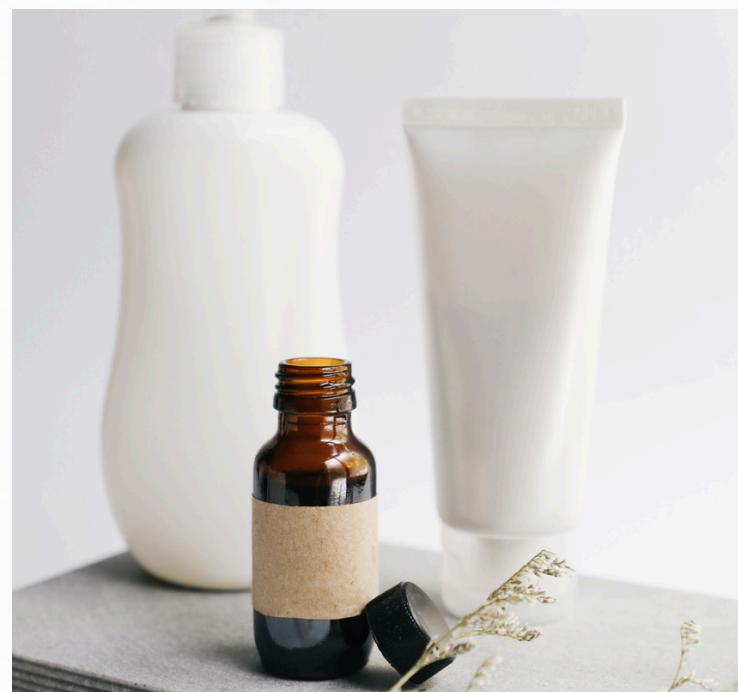
- Some companies may not fully comply with reporting requirements.
- Not all product data is complete due to gaps in company reporting.
- Companies may have changed product formulations without updating the CDPH.



Data Questions

As the concern over harmful chemicals in cosmetics rise, I wanted to analyze a few questions:

- Are companies actually removing harmful chemicals, or are they continuing to use them?
- How long do chemicals remain in products before being discontinued
- Which products and categories contain most chemicals
- Have companies started using fewer hazardous chemicals in recent years?
- Which companies have reported the most products? Which ones have discontinued the most?



Lets move on to
the Dashboard

