

Analysis of Reported Adverse Food Events

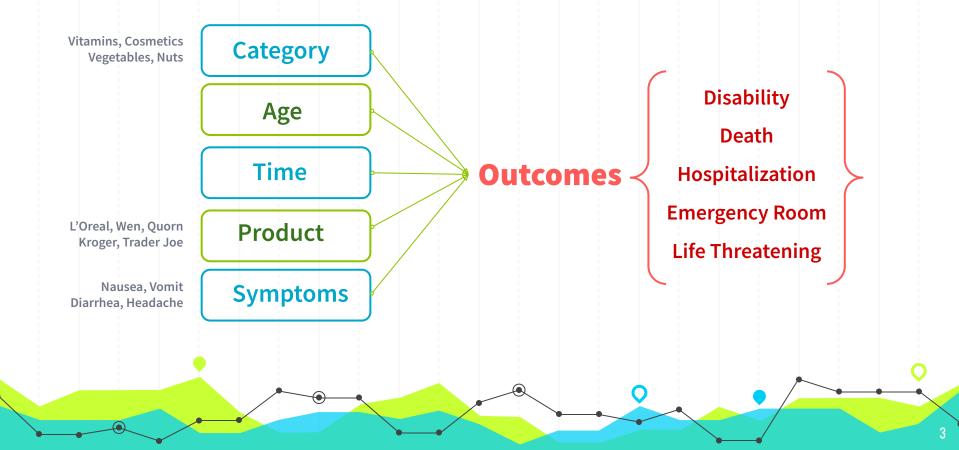
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Motivation and Objective

- Everyone gets sick due to bad food products.
- Study and analyse the FDA data of reported adverse food events from 2004-2020.
- ❖ Help users be aware of potential health risks before purchasing a product.

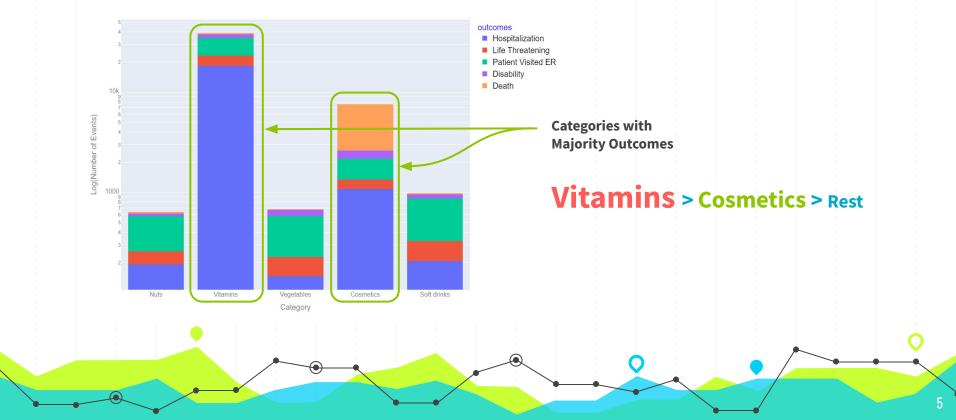
Dataset Overview



Methodology Road-Map



Which categories cause majority outcomes?



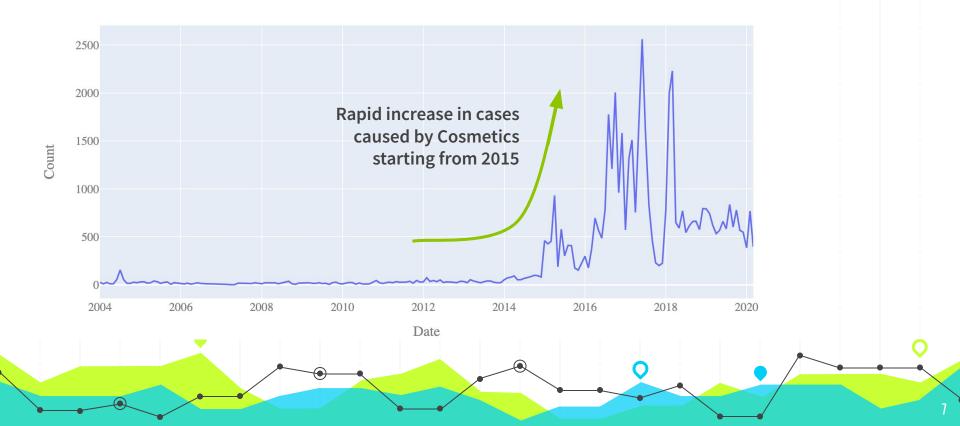


Can Cosmetics really hurt you?

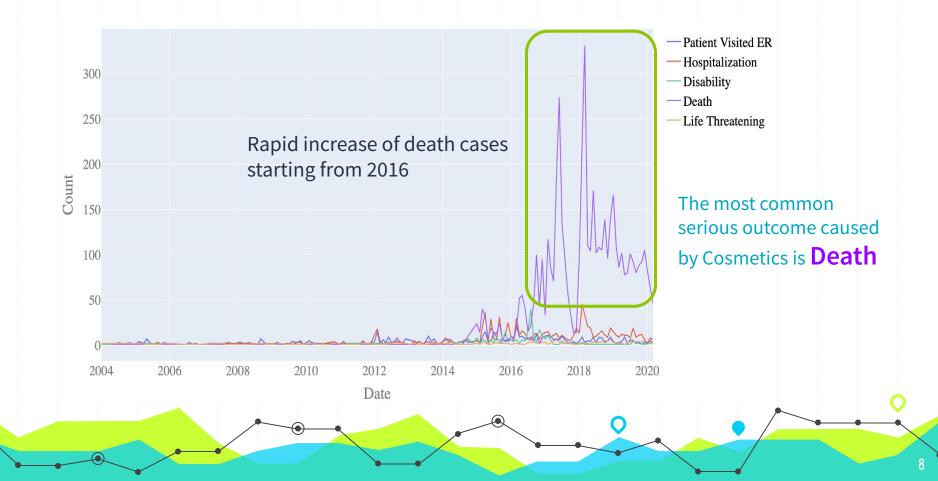
Spoiler Alert: they might even kill you!

Significant Increase in Adverse Events by Cosmetics

Cosmetics Over Time

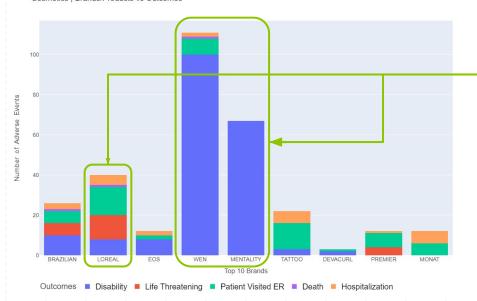


Cosmetics Outcomes with Time



Can you trust the Top Cosmetic Brands?





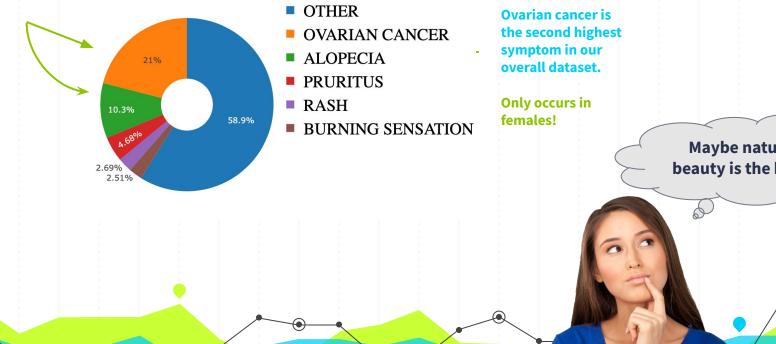
Wen > Mentality > L'Oréal

Apparently among Top Brands Shampoo and Nail Polish brands can cause Disability!

Symptoms of Cosmetics

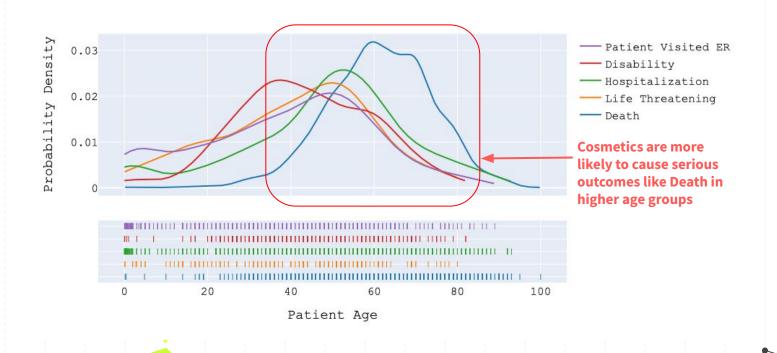
Even though this category in not a food item, its symptoms are very drastic!

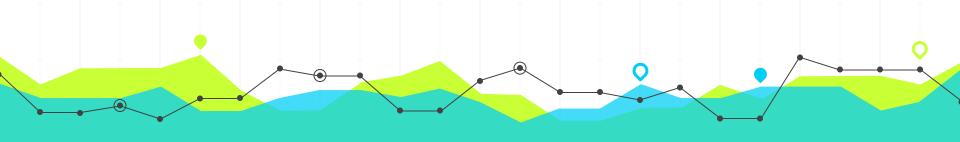
Serious symptoms account for one-third!



Maybe natural beauty is the best?

Adults Beware!

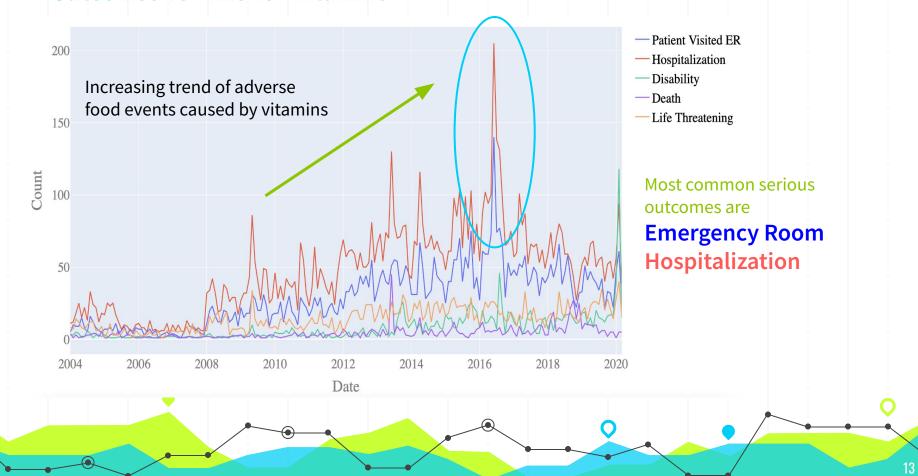




Are Vitamins safe??

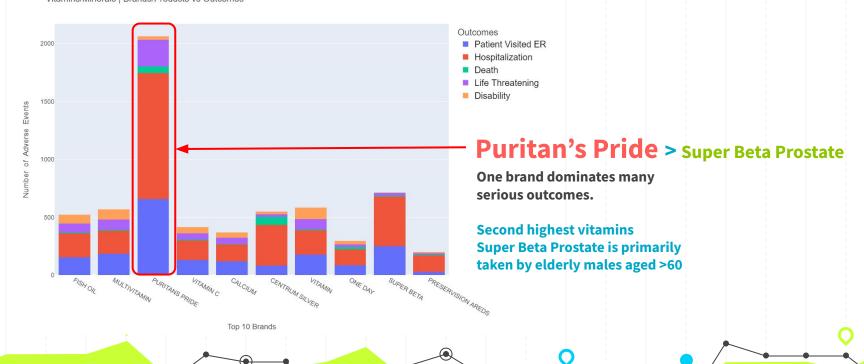
Not all

Outcomes vs Time for Vitamins

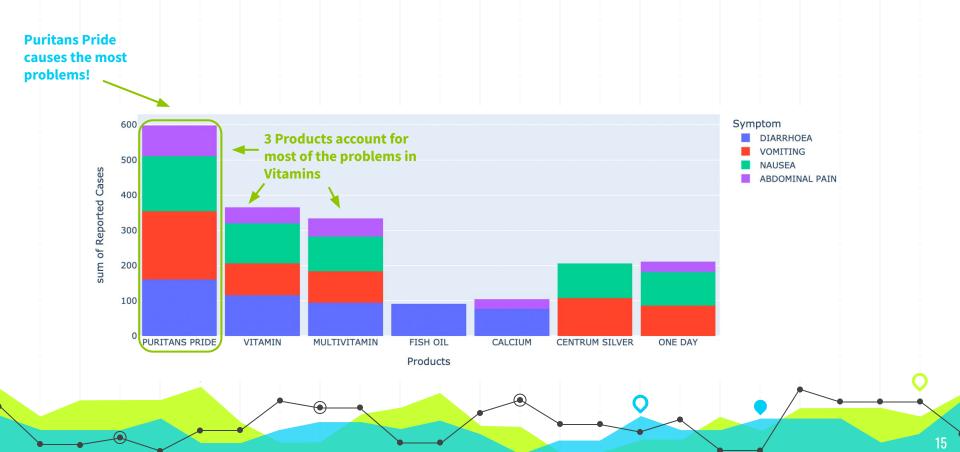


Which Vitamin Brand is most dangerous?

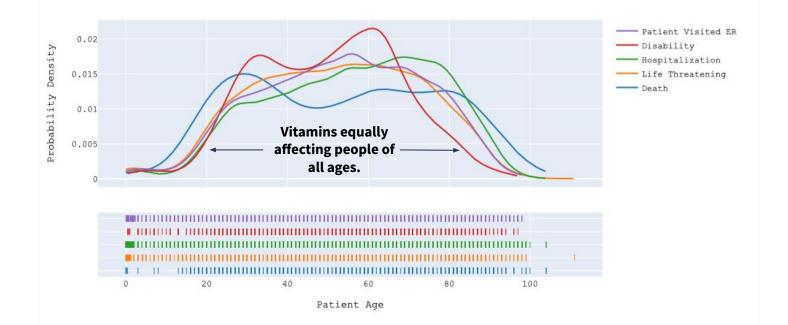




Vitamins : Products vs Symptoms



Vitamins do not spare anyone





Veggies are good for Health, right?

P.S. Picky-eaters say YAY!

Vegetable Brands that are actually Stale...



Quorn Analysis



Data does reflect the truth!

2017 is the same year which shows rise in reported Quorn Adverse events!!

Quorn to change labels to reveal its main ingredient is MOLD: Meat substitute brand will add allergy warning after 'two deaths and thousands of allergic reactions'

Data shows 3 reported deaths with Quorn.
Maybe 3/3 covered in FDA reports.

- The meat substitute has previously been marketed as similar to mushrooms
- But a pressure group in the US claims two children with mold allergies died after eating Quorn
- Now, after five years in court, the company has agreed to change the labels to say mold is the main ingredient

By SEAN POULTER CONSUMER AFFAIRS EDITOR FOR THE DAILY MAIL

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Conclusion INSIGHTS GAINED

- Cosmetics, Vitamins and Vegetables are primarily responsible for adverse events.
- The major serious outcome for Cosmetics is Death, which affects elderly more.

 Top responsible brands Wen L'Oreal- Mentality Polish.
- ❖ Among Vitamins, Puritan's Pride is a dominant brand causing adverse outcomes.
- ❖ Vegetables sending people to ER; Meat-substitute brands like Quorn among top 3.

THANKS

Any questions?