**Proposal:** Food Reactions Data

An interactive web visualization dashboard that allows deep examination of food reaction events in the US.

**Data Source:** <https://download.open.fda.gov/food/enforcement/food-enforcement-0001-of-0001.json.zip>

**Question:**

* What type of reactions and health-related outcomes do certain types of food and cosmetics trigger in different age groups and across both genders.
* How common are these adverse effects?

**Hypothesis:**

* Age-Related Hypothesis: Different age groups could show varying sensitivity to specific allergens.
* Allergen-SpecificHypothesis: Certain allergens (peanuts, dairy, gluten) could be more commonly associated with food recalls
* Brand-Specific Health ImpactHypothesis: Certain brand names may be associated with a higher incidence of sickness reactions. Could indicate variations in quality or ingredient sourcing among different brands

**Dashboard includes:**

1. Uses a database to house the data ( SQL)
2. Powered by Python flask API
3. Uses CSS/HTML and Javascript
4. Uses a new JS library (bokeh or highcharts)
5. A dashboard updated using the same data
6. Contains multiple user-driven interactions: dropdowns (can show/hide more info, define terms, etc), filters, buttons, animated charts, scroll- triggered effects).
7. 4-5 views