Foodborne Illness

Nashville Software School DDA4 Capstone Project Ryan Butler

Motivation

I have chosen foodborne illness as the subject for my capstone project. I have worked in the food manufacturing industry in the past and that experience has brought about a passion for the subject as well as knowledge I can use to bring to light the seriousness of this issue. There are a system of programs and safeguards in place at every step from the farm to the table, but foodborne illness still occurs. I plan to explore possible reasons for that.

Questions to Answer

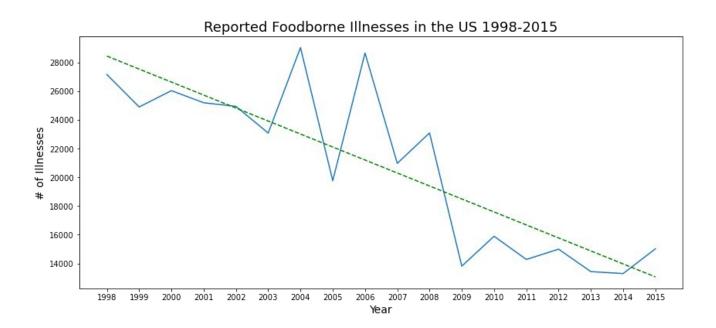
- What effect does foodborne illness have on people in the United States?
- What are the monetary costs associated with foodborne illness?
- What are the preparation locations where safer food handling practices can make food safer for consumption?

Data Sources

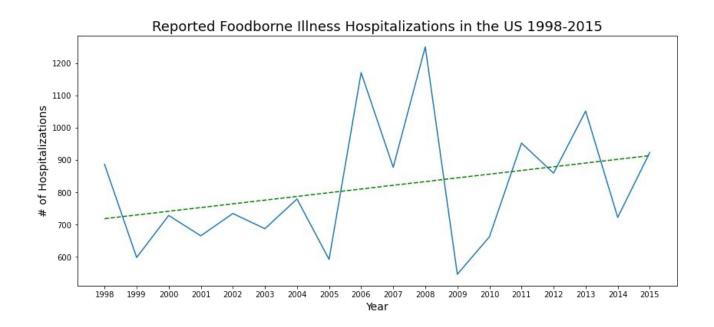
- https://data.world/cdc/foodborne-outbreak-database/workspace/file?filename=
 FoodData.xlsx
- https://www.ers.usda.gov/data-products/cost-estimates-of-foodborne-illnesses.a spx

- Illnesses
 - Seems to be declining over time
 - Change in reporting in 2009
- Hospitalizations
 - Seems to be increasing over time
- Deaths
 - Seems to be increasing over time

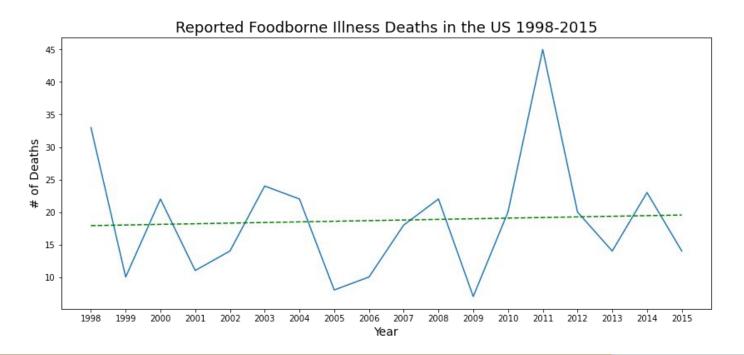
- Decreasing over this timeframe
- Change in reporting process in 2009



Increasing over this timeframe



• Slightly increasing over this timeframe



Monetary Costs of Foodborne Illness

- Total monetary cost associated with the top 15 agents causing foodborne illness in 2018 was \$17,571,792,712
 - Deaths
 - Hospitalizations
 - Illnesses

Monetary Costs of Foodborne Illness

