

# Impact of Hurricane Florence on Food Bank Distribution

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# Agenda

- 1.) Problem and Dataset
- 2.) Program Goals
- 3.) Program Output
- 4.) Unique Features



# Problem and Dataset

- **Problem:** FBCENC leaders need a way to visualize the impact of large scale events like Hurricane Florence in order to prepare for future disasters.
- **Dataset:** FBCENC stores all their monthly distributed food data in excel sheets.
  - Dataset was obtained from Dr. Julie Ivy.



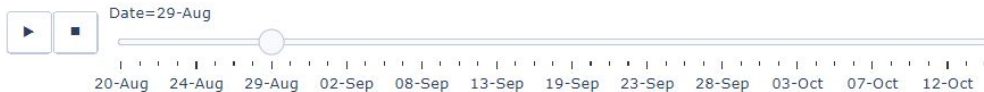
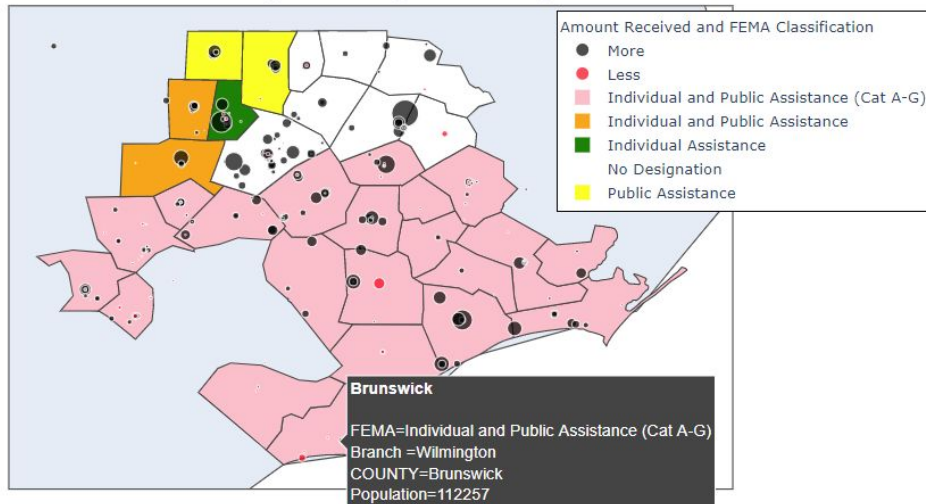
# Program Goals

1. Compare pounds of food received by 800 agencies to the previous years' data
  - 2017 data subtracted from 2018 data
  - Resulted in More (+ change), Less (- change), and no change (zero or agency received the same amount in 2018 & 2017)
2. Size of the circle correlates to the absolute value of the food received
  - More (2018>2017) = Black
  - Less (2018<2017) = Red
3. Outline each of the 34 FBCENC counties
  - Colored based on their FEMA designation during Hurricane Florence
  - Information found on: <https://www.fema.gov/disaster/4393>
4. Slider will show available daily data
5. Hover indicating related information



# Program Output

Pounds of Food Received by FBCENC Agencies during Hurricane Florence





## Unique Features

1. Overlay of the scatter plot and choropleth map
2. Showing specific region outlined within the United States choropleth map
3. Timeline capability to show distribution overtime in affected areas