



THE OHIO STATE UNIVERSITY

Optimizing the Hunger Relief Supply Chain: Retail Partner, Food Bank & Agency

John Lowrey, Lowrey.44@buckeyemail.osu.edu, The Ohio State University, Fisher College of Business
Ken Boyer, boyer.9@osu.edu, The Ohio State University, Fisher College of Business



FEEDING AMERICA



The Emergency Food Assistance Program (TEFAP)
Commodity Supplemental Food Program (CSFP)
State Programs (Ohio Ag. Clearance Program)



houston foodbank

FEEDING AMERICA San Diego

TARRANT AREA FOOD BANK



FOOD LIFELINE FEEDING HOPE FEEDING WESTERN WASHINGTON



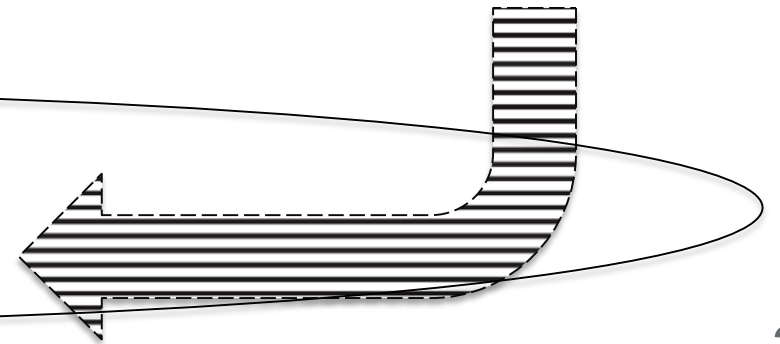
bay chapel FOOD PANTRY



The Shepherd's Heart



Feeding Families. Changing Lives.



Opportunity with National Partner Retailers

Objective

Identify total pounds of opportunity by individual stores within your Food Bank's service area.

Methodology

For each active National Partner Retailer:

- Calculate Retailer's Total Donations
- Find the average monthly donation

To calculate the threshold:

- Network Median
- Network Opportunity

Top 20% of food bank receipts

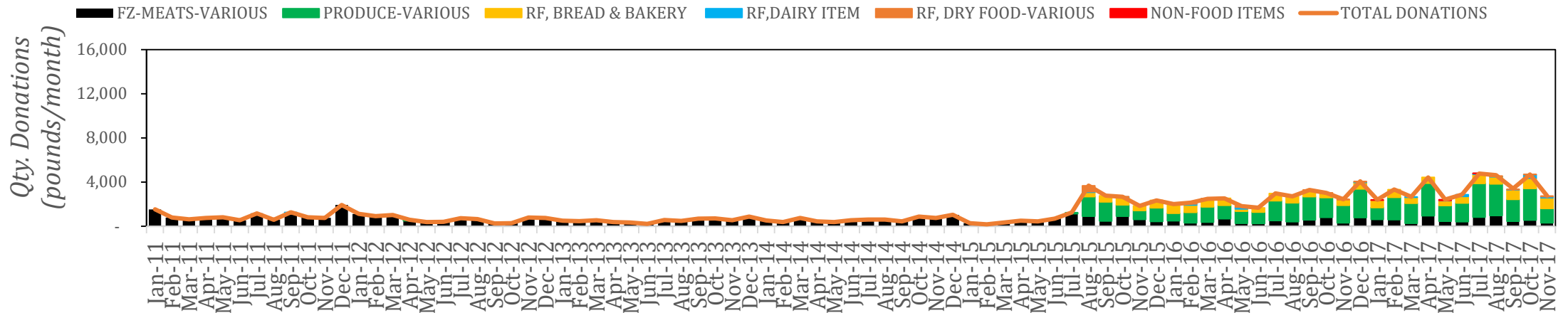
- Network Excess

Top 10% of food bank receipts

To calculate the Net Opportunity:

- The threshold
- Then the remaining amount

- The amount remaining is the "opportunity."



Definitions

Donor, National Partner Retailer

Food Bank Receipt

receipt process to

ACV Pounds: An average value

and then converted to pounds

Retailer Relative Yield: A

average food bank receipt

Net Opportunity: Total

and find the middle value

and find the middle value

and find the middle value

and find the middle value

and find the middle value

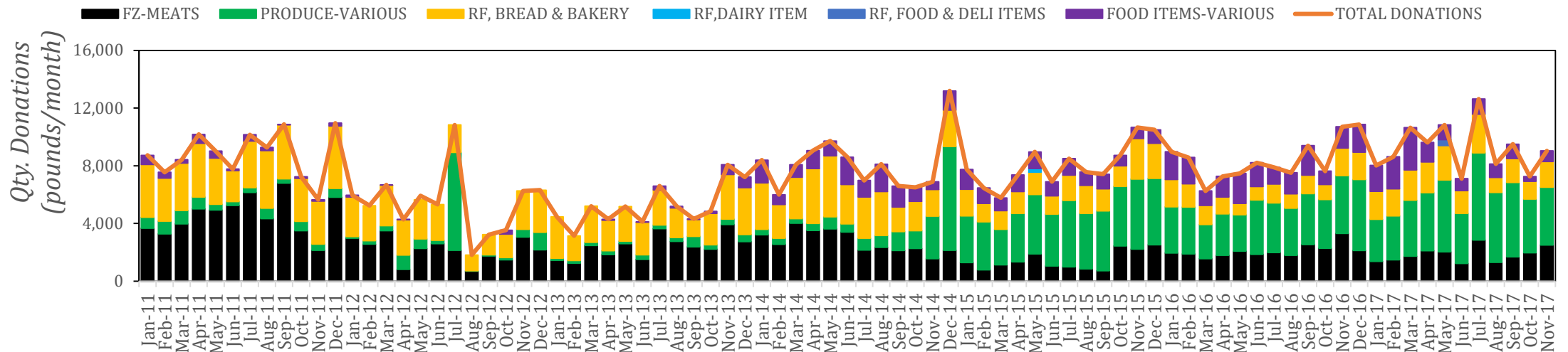
and find the middle value

and find the middle value

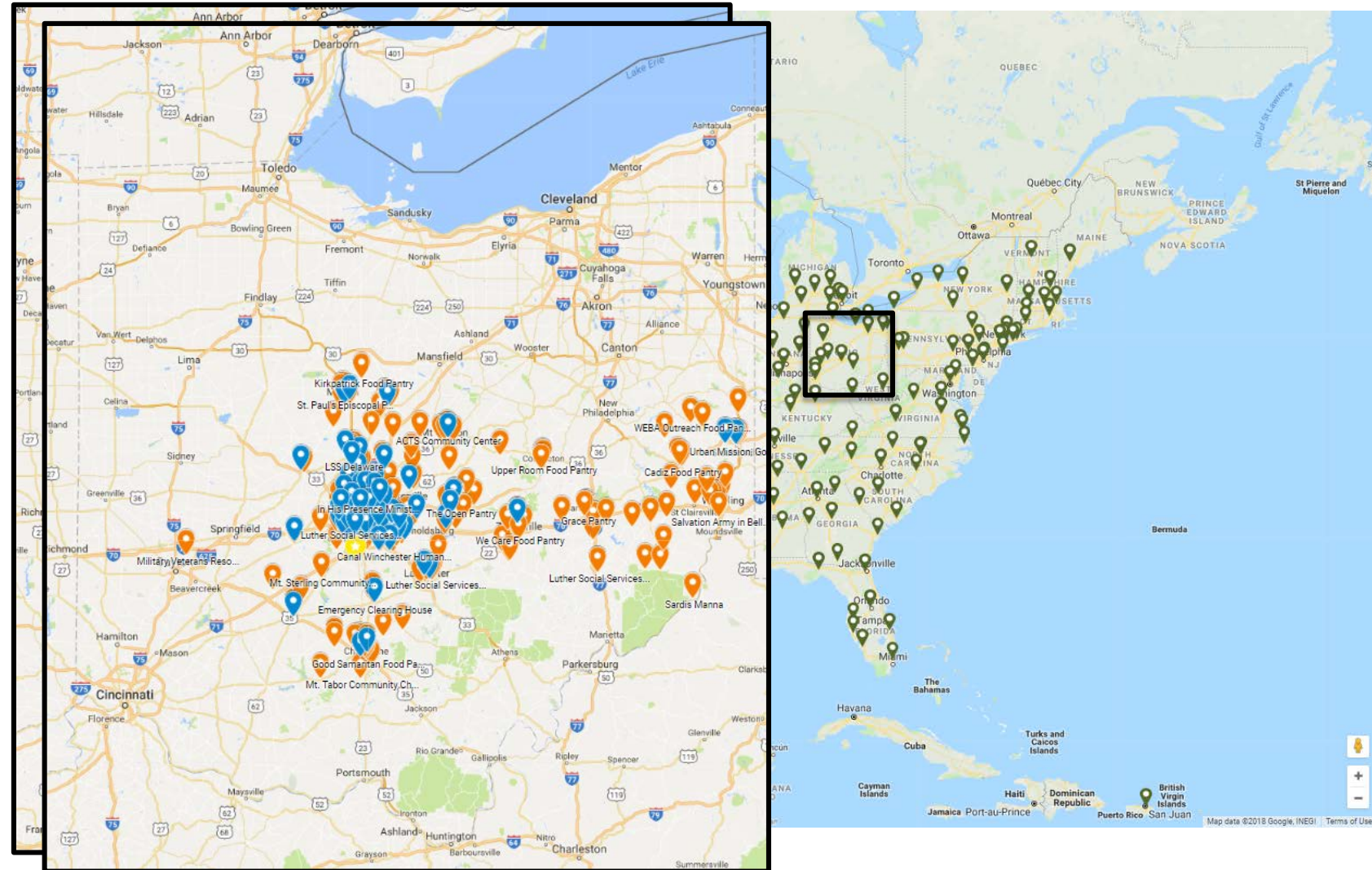
and find the middle value

and find the middle value

and find the middle value



Note
These locations may already be donating to your Food Bank, but Feeding America does not have insight into the number of pounds per store since they are not part of the Blue Receiving process.



Source: Walmart 2017 Global Responsibility Report || Feeding America Find Your Local Food Bank