



# Food, Food Everywhere and Nothing Healthy to Eat



Connecticut GIS User to User Network  
A voluntary association of GIS Users



David Tatem

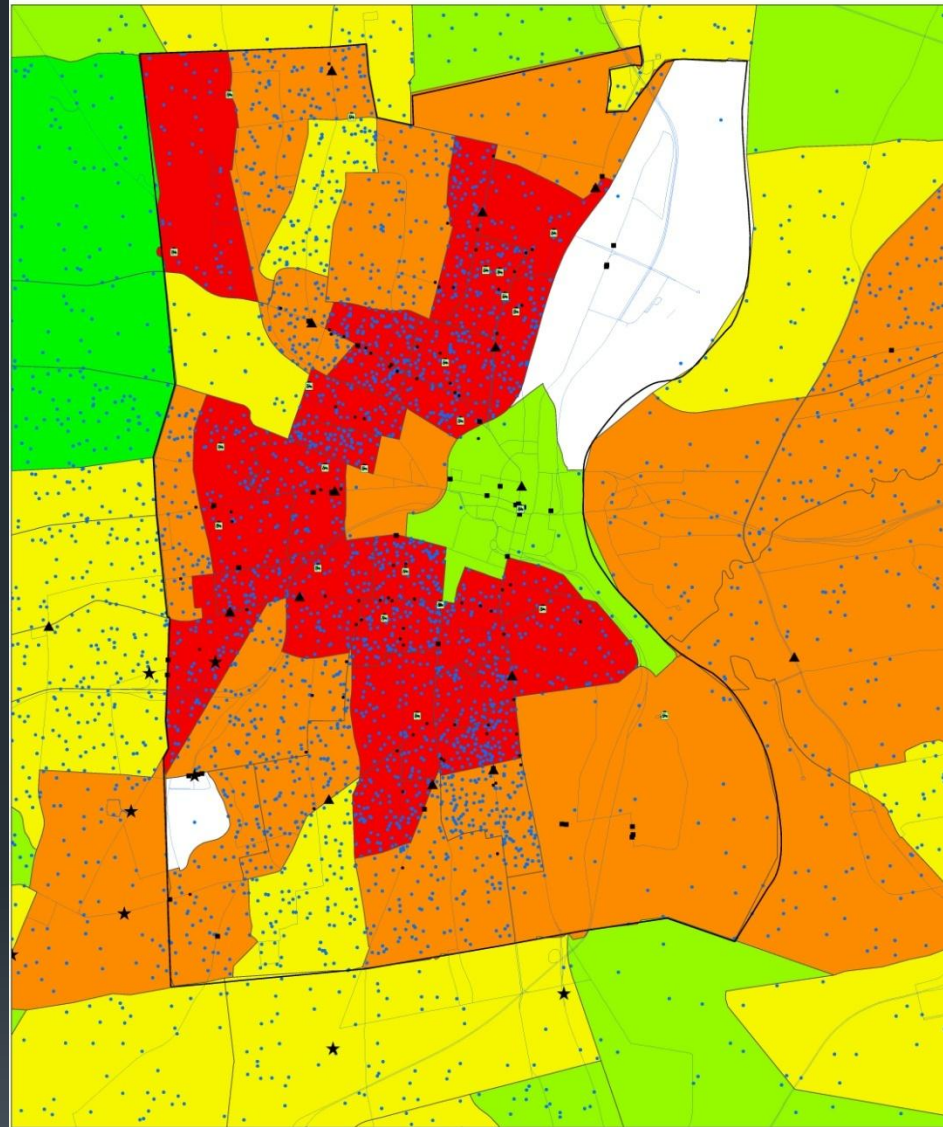


# Food, Food Everywhere and Nothing Healthy to Eat

David Tatem, Instructional Technologist  
Trinity College, Hartford CT

# The Project

## Hartford Food Resources



### 2009 Income by Census Tract

- Below 30,000
- 30,000 - 50,000
- 50,000 - 70,000
- 70,000 - 90,000
- Above 90,000

- ▲ MediumMarkets
- Community Garden

1 Dot = 10  
AGE\_5\_17

- Farmer's Market
- Grocery
- FastFood
- ★ LargeGrocery
- Local Bus Routes

0 0.25 0.5 1 1.5 2 Miles



# CLI @ Trinity

- an academic course in which the faculty member works in partnership with a person or group from the local community to involve students in an experience they could not get in the classroom alone. The learning goes both ways, as the students and community residents share knowledge.



# POLS-355:Urban Politics

- This course will use the issues, institutions, and personalities of the metropolitan area of Hartford to study political power, who has it, and who wants it.



# Urban Politics players

- Professor: Stefanie Chambers
- Students:
  - Emily Hayes
  - Grace Montesi
  - Mike Ritter
  - Megan Savage
  - Alison Wettstein



# Hartford Food System

- a private, non-profit organization working to create an equitable and sustainable food system that addresses the underlying causes of hunger and poor nutrition facing lower-income and elderly Connecticut residents.



# Hartford Food System

- Executive Director: Martha Page



# The Process

- Martha wanted a project that would be useful to her organization but also something the students would be interested in and learn from
- After going through a few ideas a print map seemed like the best option



# The Issues

- It's easier and cheaper to eat junk food and fast food than healthy alternatives
  - Lots of fast food restaurants
  - Lots of junk food at corner markets
  - Not many grocery stores in the city
  - Few farmers markets
  - Many residents rely on busses for transportation



# The Data

- Some data collected previously by another class project
- Students aggregated some on their own
- American Community Survey for income
- Needed a simple layer for Hartford Bus routes CT GIS U2U network came through

# Trinity College FYFO232: Invisible Cities Google Mash-ups



## Food Resources [\(back to index page\)](#)

Our project focuses on the Hartford food system and its many components. We have included over 250 food resources in the Hartford area including community gardens, local groceries, farmers' markets, food pantries, soup kitchens, congregate meals, and other food programs. It is our hope that the citizens and community leaders will use this map as an effective tool in contacting and utilizing the many food resources in the Hartford community.

Map Satellite Hybrid Terrain

Print

#	Name
1	A.N.A. GROCERY
2	ACA FOODS
3	ALBANY GROCEFI
4	ALBANY SUPERE
5	ALBANY VARIET
6	AMIGO MARKET
7	ANACAONA GRC
8	ANAML #2
17	BAEZ MINI MARKI
18	BALLY'S FOOD C
19	BARBOUR MARKI
20	BELLA VISTA GR
21	BORQUA MARKE
22	BRAVO SUPERMA
23	BROOKS PHARM.
24	BROTHERS GROCE
38	C TOWN SUPERM
39	C TOWN SUPERM
40	C TOWN SUPERM
41	CARIBBEAN GRO
42	CARLOS SUPERM
43	CARLOS SUPERM
44	CENTER MARKET
45	CHARTER OAK SI
46	CHENNIES GROCE

AdChoices

**Local Restaurants**  
Get 50% Off Coupons On The Best Local Restaurants. Sign Up!  
[www.LivingSocial.com](http://www.LivingSocial.com)

POWERED BY Google

2000 ft  
500 m

Map data ©2011 Google

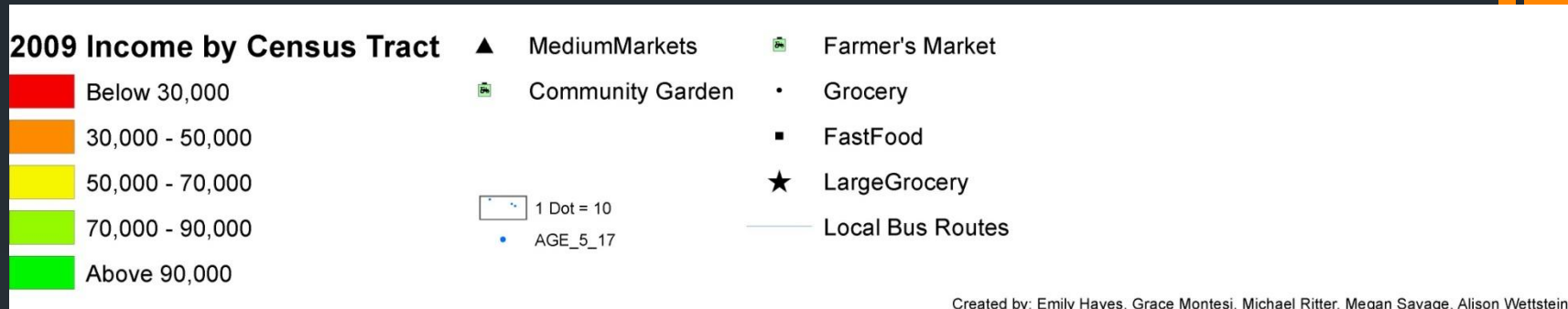
South Meadow

Legend:  
● Groceries  
● Food Programs  
● Farmers' Markets  
● Food Pantries/Soup Kitchens/Congregate Meals  
● Community Gardens

Built with ZeeMaps

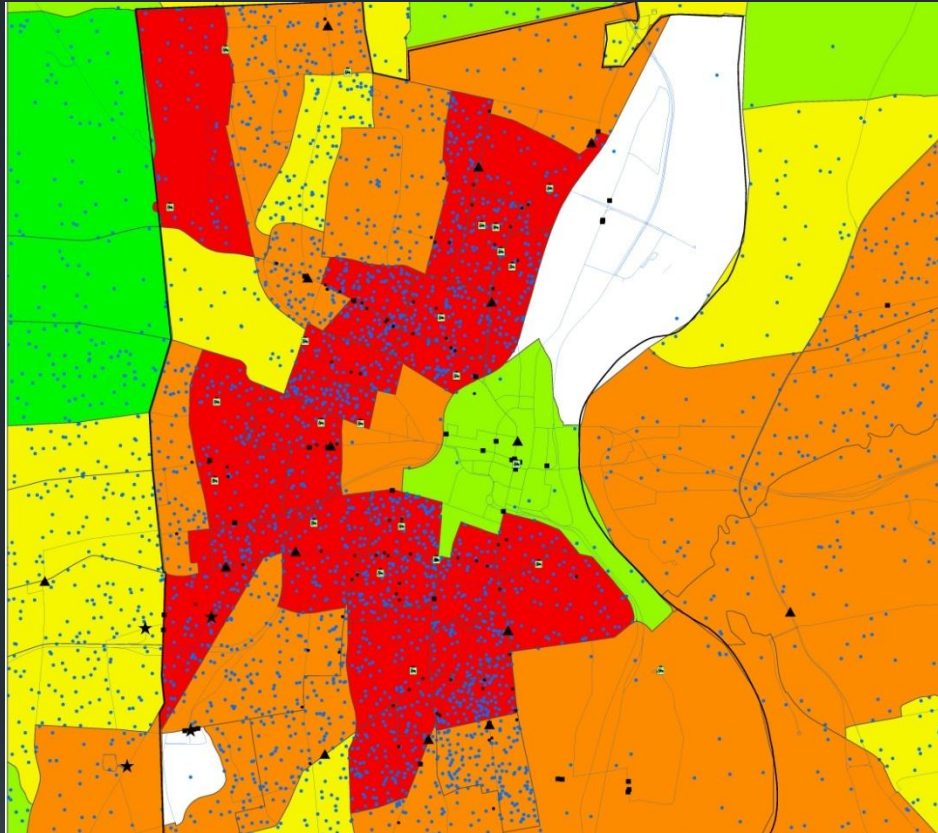
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# Final Map Data Layers



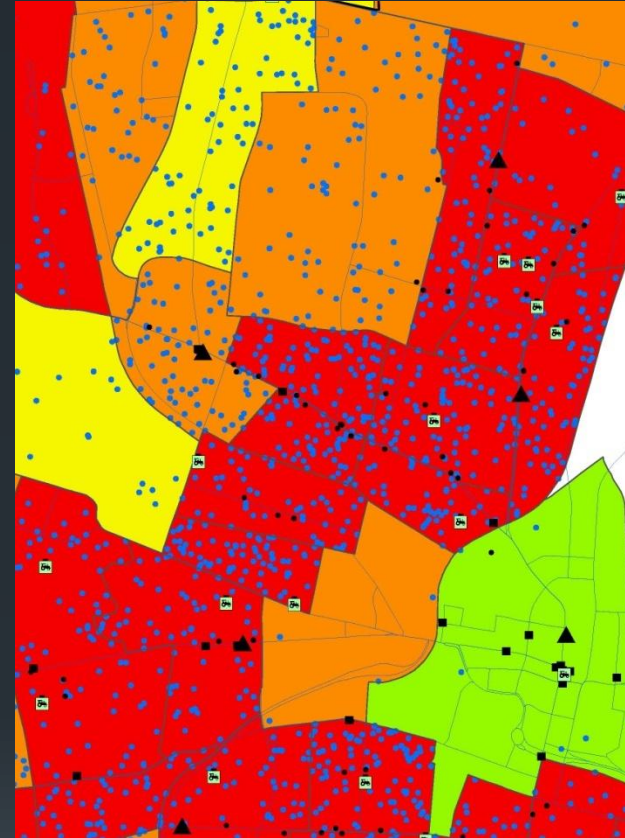
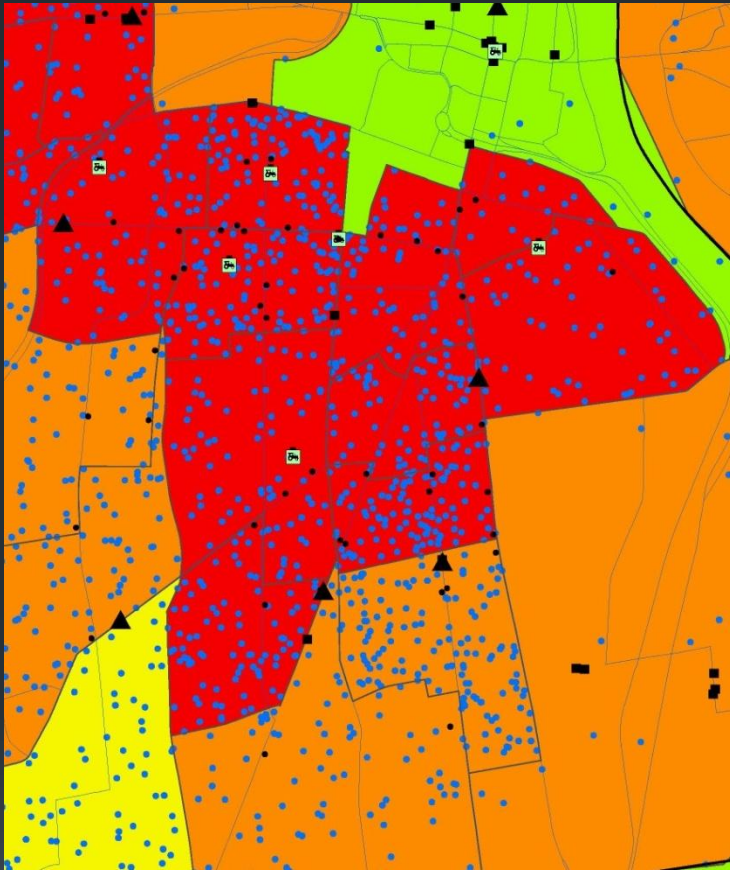
- Hartford Bus Routes
- Income by Census tract
- Children ages 5-17
- Medium Markets
- Fast Food restaurants
- Large Grocery stores
- Everything else – corner markets, convenience stores  
community gardens, farmer's markets

# What stories does the map tell?



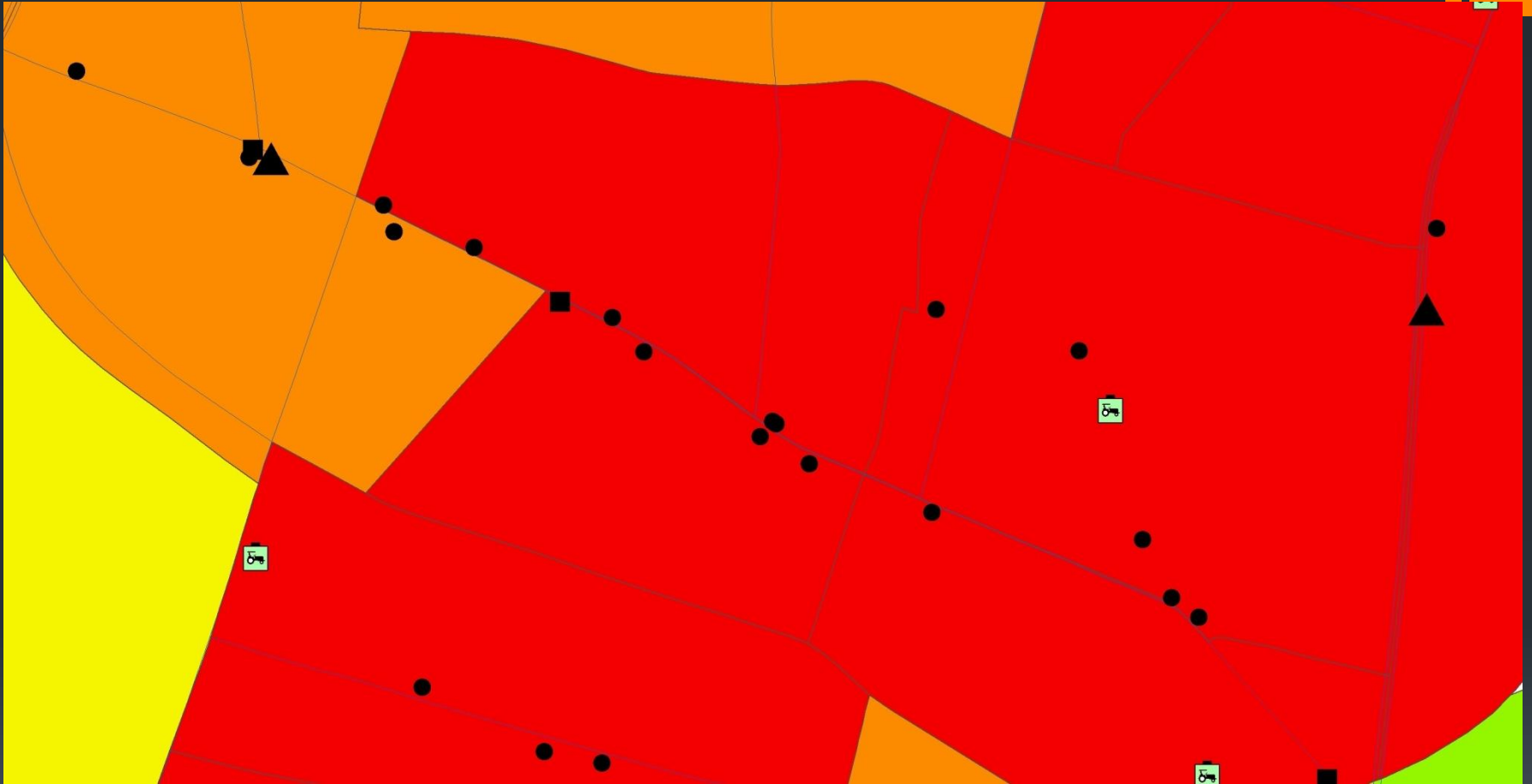
Many People Have a Very Low Income

# What stories does the map tell?



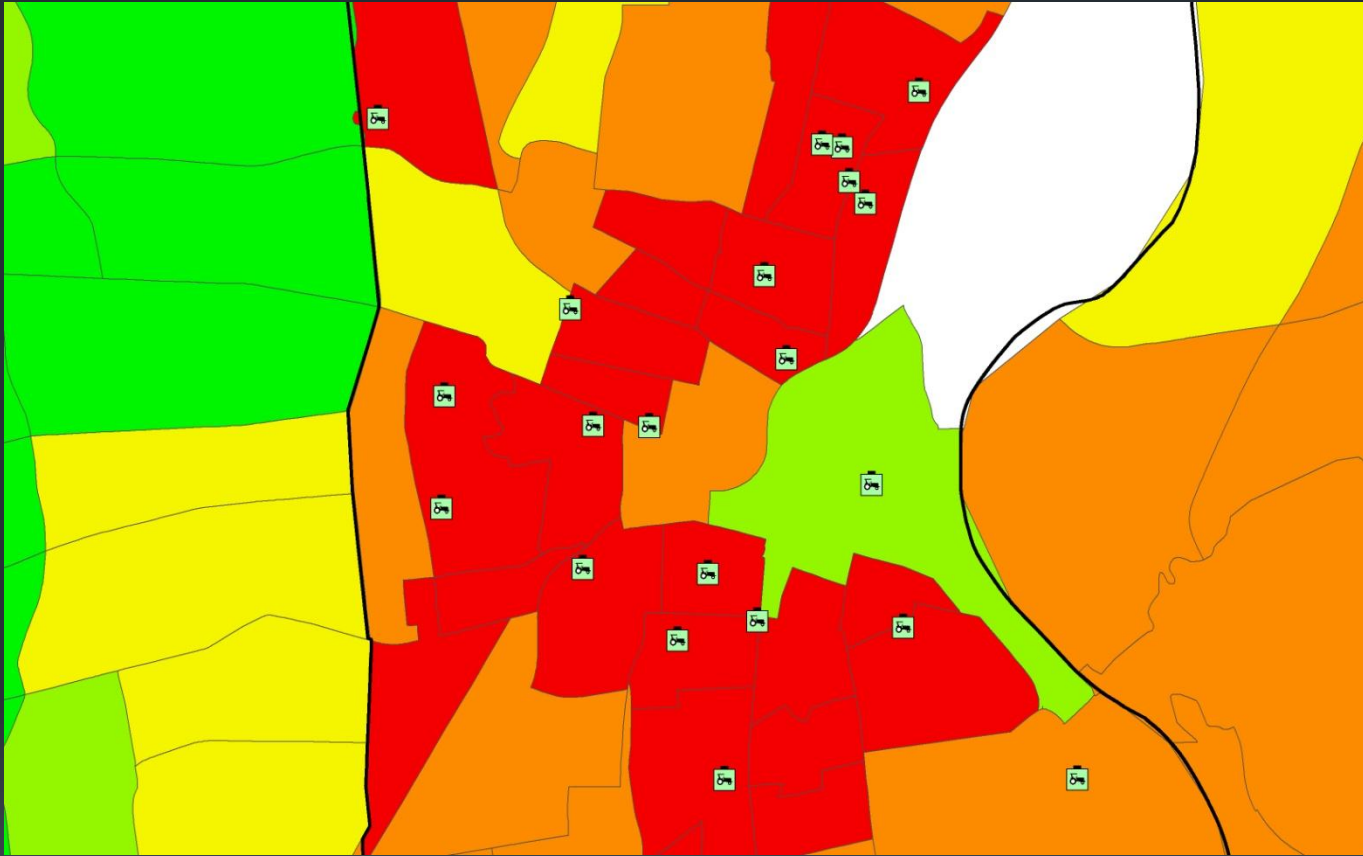
There are Lots of Children in the Poorest Areas

# What stories does the map tell?



Fast Food and Corner Stores More Likely to be on Bus Routes

# What stories does the map tell?



There are More Farmer's Markets and Community Gardens Than Many People Realize



# What Is It Good For?

- Visualization always helps promote a better understanding of the data
- Board of Directors very interested in it
- Appreciate the ability to see the connections between food/income/transportation and children



# What Is It Good For?

- Could help determine where the next Farmer's Market should be
- Help determine locations of a possible mobile Farmer's Market

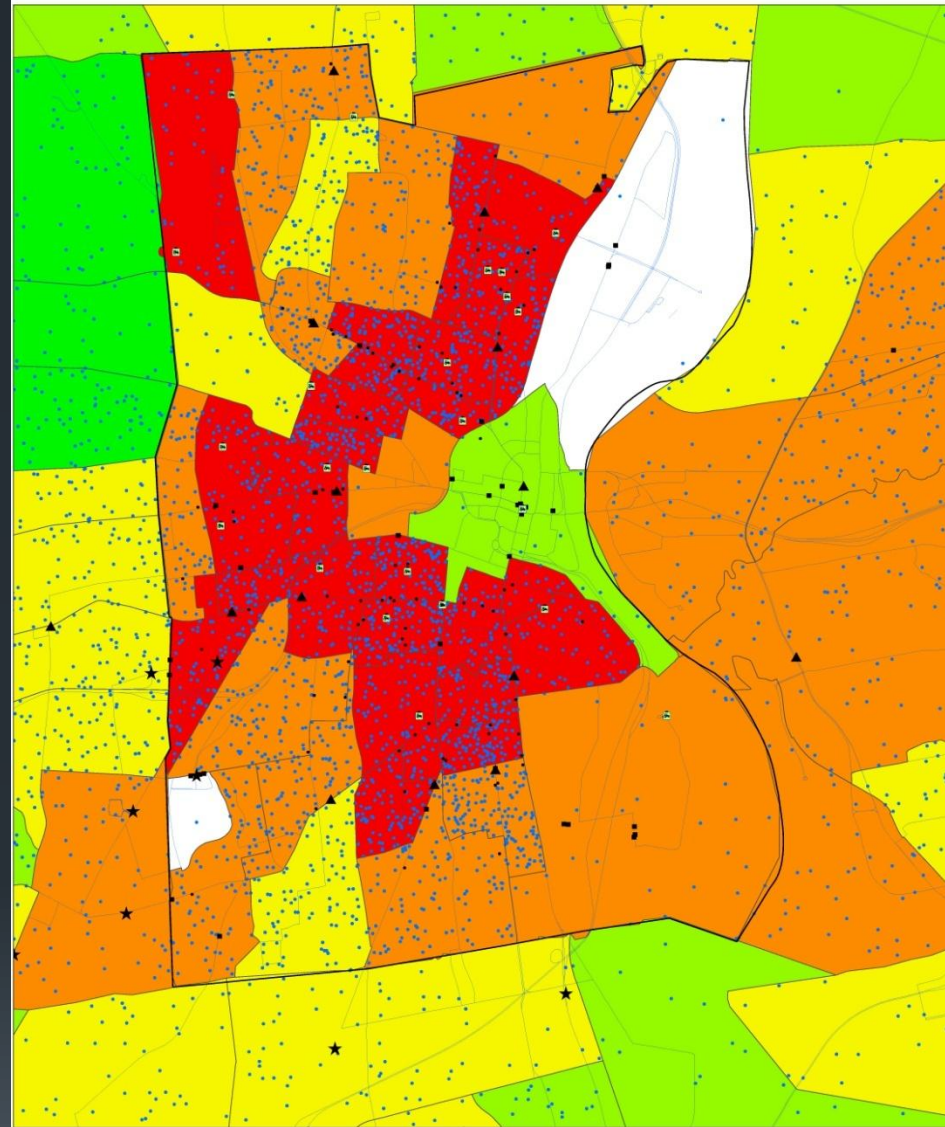


# How could it be improved?

- More quality control in the data collection
- Continue to focus on the cross section of income, transportation and access to healthy food
- Put it online and make it interactive- (in the works now)

# Hartford Food Resources

# Thank You!



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