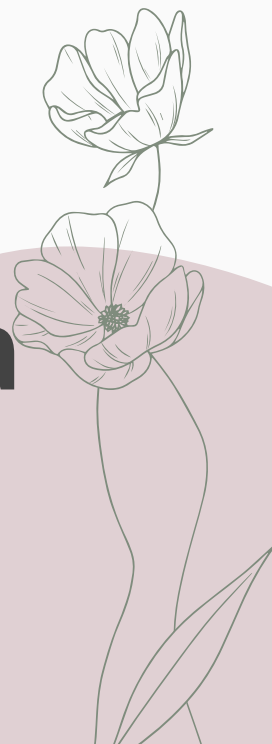


Food Insecurity, Its Measurements, Its Methods, and Its Application To Virginia

Courtney Maynard





1

Introduction to the Topic



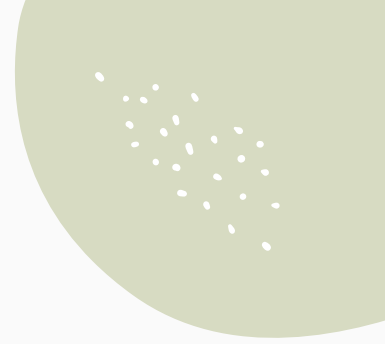
USDA

“a house-hold level economic and social condition of limited or uncertain access to adequate food,”

“a household’s inability to provide enough food for every person to live an active and healthy life”



Feeding
America



Measurements of Food Insecurity

1

Availability

2

Accessability

3

Affordability

4

Accomodation

5

Acceptability





Availability





Accessibility



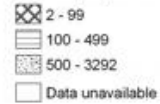


2

Methods

Population Density

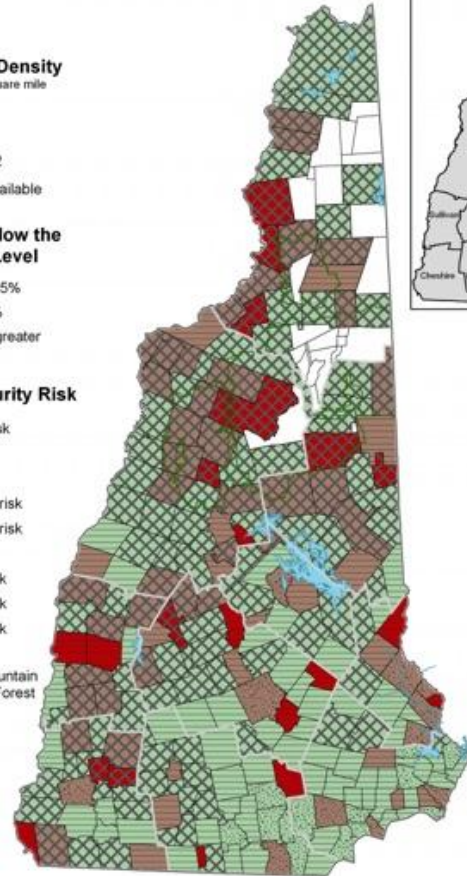
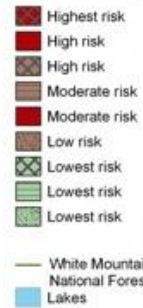
Persons per square mile



Families Below the Poverty Level



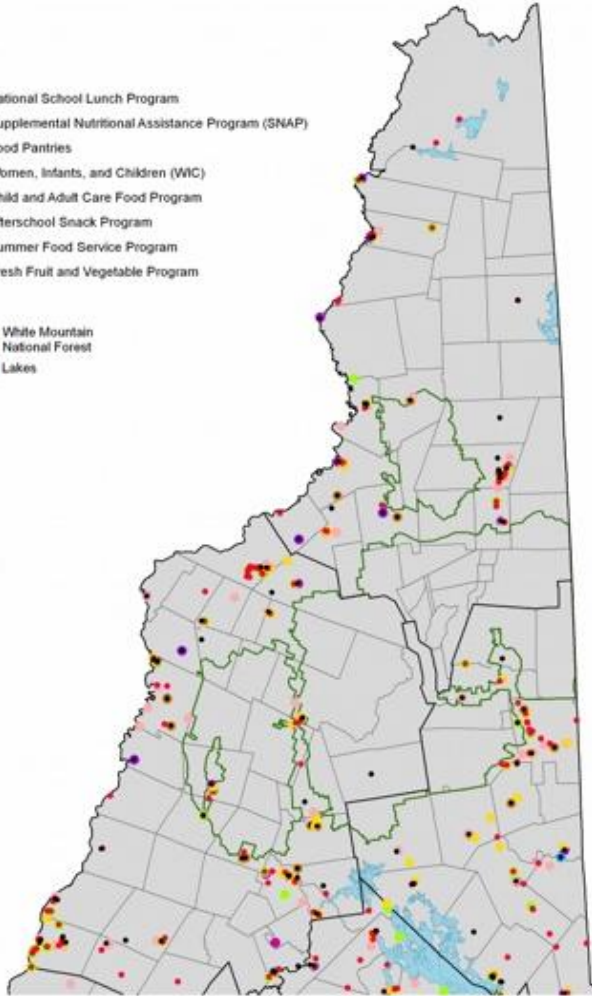
Food Insecurity Risk



- National School Lunch Program
- Supplemental Nutritional Assistance Program (SNAP)
- Food Pantries
- Women, Infants, and Children (WIC)
- Child and Adult Care Food Program
- Afterschool Snack Program
- Summer Food Service Program
- Fresh Fruit and Vegetable Program

— White Mountain
National Forest

■ Lakes






Parameters Used In Ranking Block Groups

“Yes” = > Nat. Av.

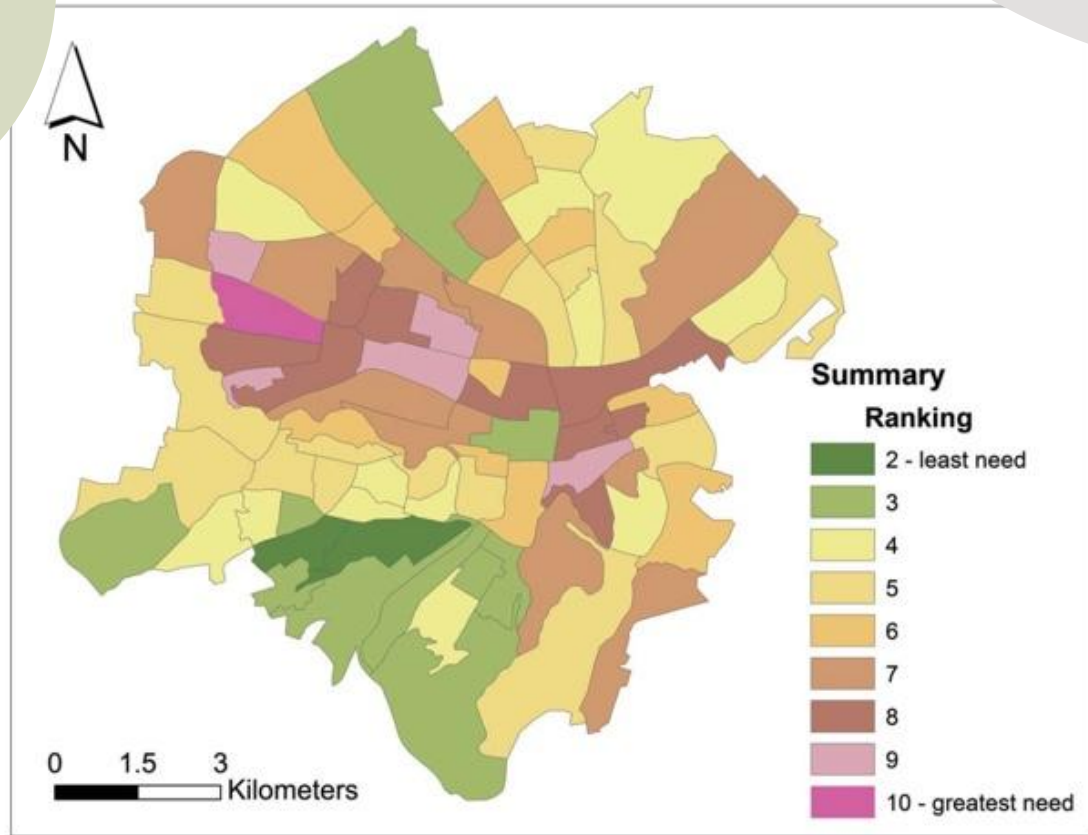
- student eligibility rate per elem. school for NSLP
- poverty rate
- unemployment rate
- % of pop < high school diploma
- % female-headed households
- % of children

“Yes” = Needs Presence

- 1 park
 - 2 community garden or farm
 - 3 supermarket or superstore
- 

Food group from MyPlate ^a	Specific food or beverage	Food stores offering item (%)
Grains		Whole-grain breads 35.3
Fruit	To be encouraged	Apples (fresh) 11.8
		Bananas (fresh) 5.9
		Oranges (fresh) 11.8
		Fruit canned in sugar syrup 88.2
Vegetables	To be limited	Leafy greens (fresh) 11.8
		Onions (fresh) 17.6
		Peppers (fresh) 11.8
		Tomatoes (fresh) 17.6
		Hot dogs 35.3
		Lowfat hot dogs 11.8
Protein foods	To be limited	Turkey dogs 5.9
		Eggs 64.7
		Beans 70.6
		Tuna (canned) 64.7
		2% or low-fat milk 29.4
		Whole milk 88.2
100% fruit juice	To be limited	Orange juice only 88.2

^aBased on ChooseMyPlate.gov food categories.





3

What's the Gap?

possible gaps

neighborhood?



transportation?



Hampton Roads?





**how does food
accessibility contribute
to food insecurity in
the Hampton Roads
region of Virginia?**



4

Potential Research Plan

research plan

divide

Demographic data → risk
of food insecurity

Census block groups

Using New Hampshire
study's method

survey

Quality and availability of
food

Using Roanoke study's
method

measure





Questions?

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