



Hasa Reddy

Concept

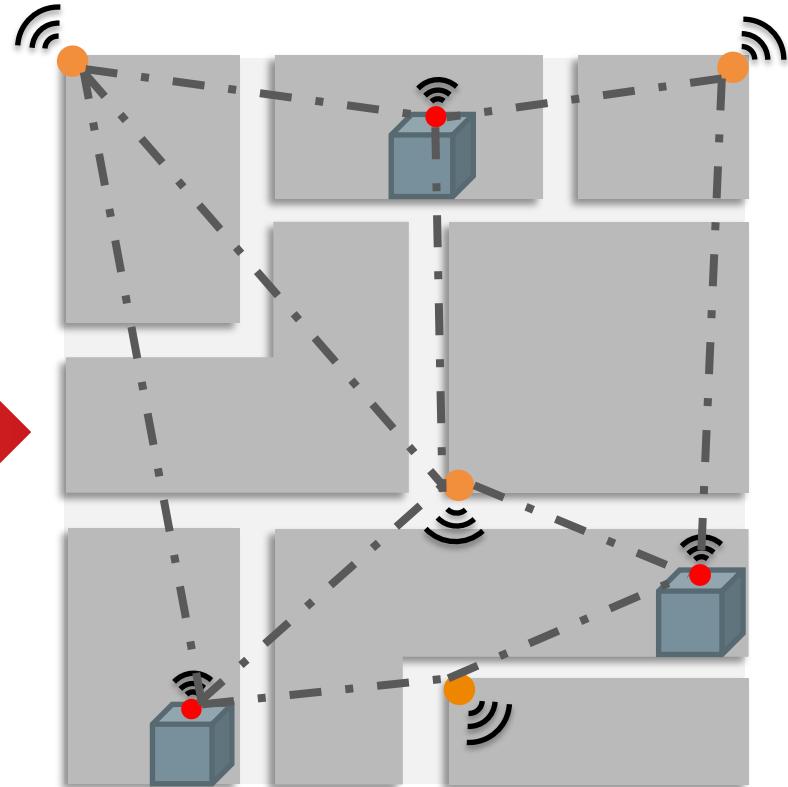
Proposal to tackle food insecurity along with proving supporting infrastructure to further digital inclusively in the City of Philadelphia.

Food insecurity in Philadelphia 21%
17% of trash sent to the landfill is wasted food

Food insecurity based on FAO

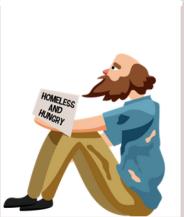


“Don’t let the digital divide become ‘the new face of inequality’: UN”



Conceptually on a neighbourhood scale

Users



ERIK

Age: 41 yrs.

Education:

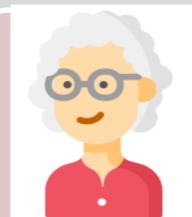
Highschool

Background

Homeless

Needs

Meals regularly
and govt programs
for the homeless



Suzan

Age: 69 yrs.

Education

School dropout

Background

Living alone

Needs:

Community engagement



MAX

Age: 13 yrs.

Education

8th Grade

Background

Household with no
consistent income

Needs

Wholesome meals



Miriam

Age: 39 yrs.

Education

Grad

Background

Income < \$20000
and single mother

Needs

Internet to look up
govt. programs &
meals for 2



Trey

Age: 23 yrs.

Education

Attending community
college

Background

Doing part time jobs
and studying

Needs

Access to internet to
apply to jobs



Household of 4

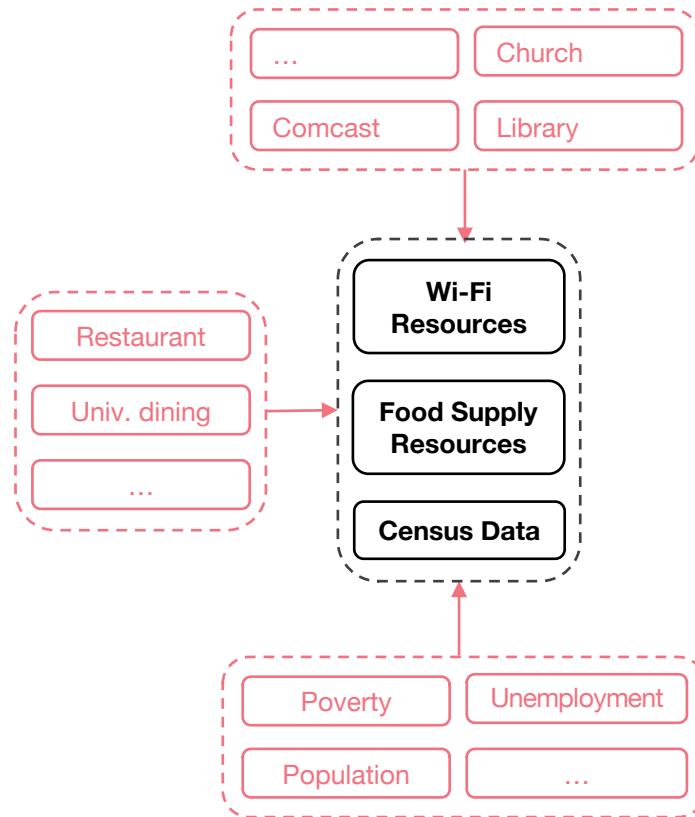
Mother, Father
And 2 kids in K-12

Background:

Household income <
\$30000, one of the
parent lost job
recently

Needs:

Regularly meals
Internet to apply
for jobs



Step 1. Data Collection



Wi-Fi Resources

Where needs more Internet coverage



Food Supply Resources

Where and When to collect the food



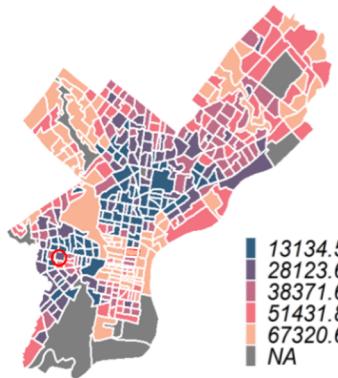
Census

Where to send

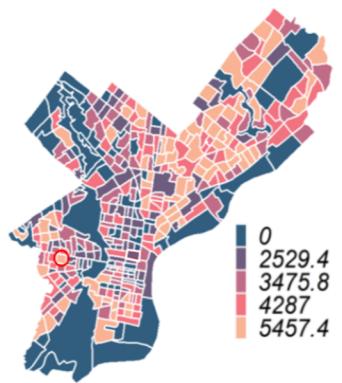
Site location

Income, population and poverty map

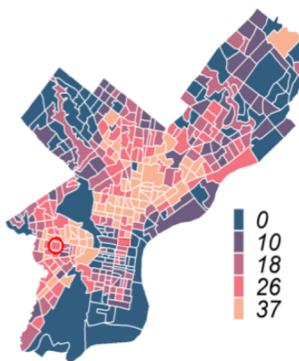
Detailed information of test bed site.



Map of median household income



Map of total population



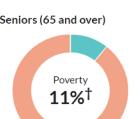
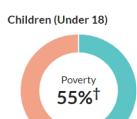
Map of percentage of poverty

Income
\$17,039
Per capita income
about three-fifths of the amount in Philadelphia: \$27,924
about three-fifths of the amount in Philadelphia County: \$27,924

\$33,429
Median household income
about three-quarters of the amount in Philadelphia: \$45,927
about three-quarters of the amount in Philadelphia County: \$45,927



Poverty
35.6%
Persons below poverty line
about 1.5 times the rate in Philadelphia: 24.3%
about 1.5 times the rate in Philadelphia County:
24.3%

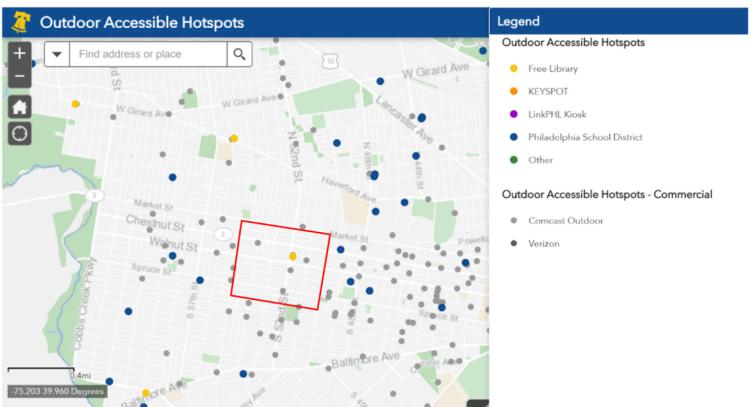
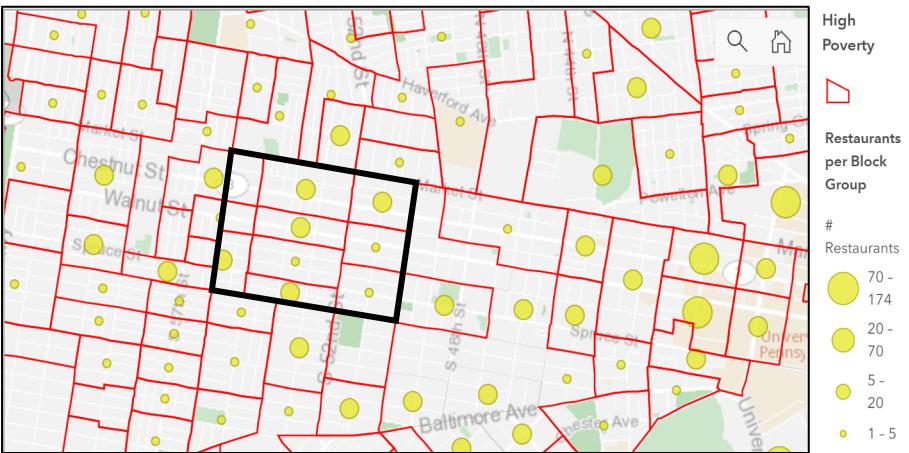


Testbed: Census tract 85, bounded by Market Street, South 50th Street, Pine Street and South 55th Street.

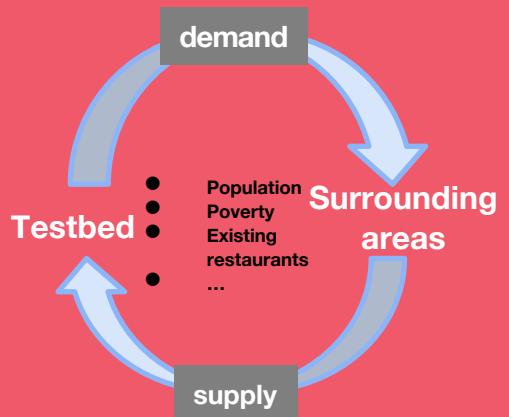
Poverty and restaurants resources map

Accessible hotspots in the area.

Site location



When we choose study site (testbed):

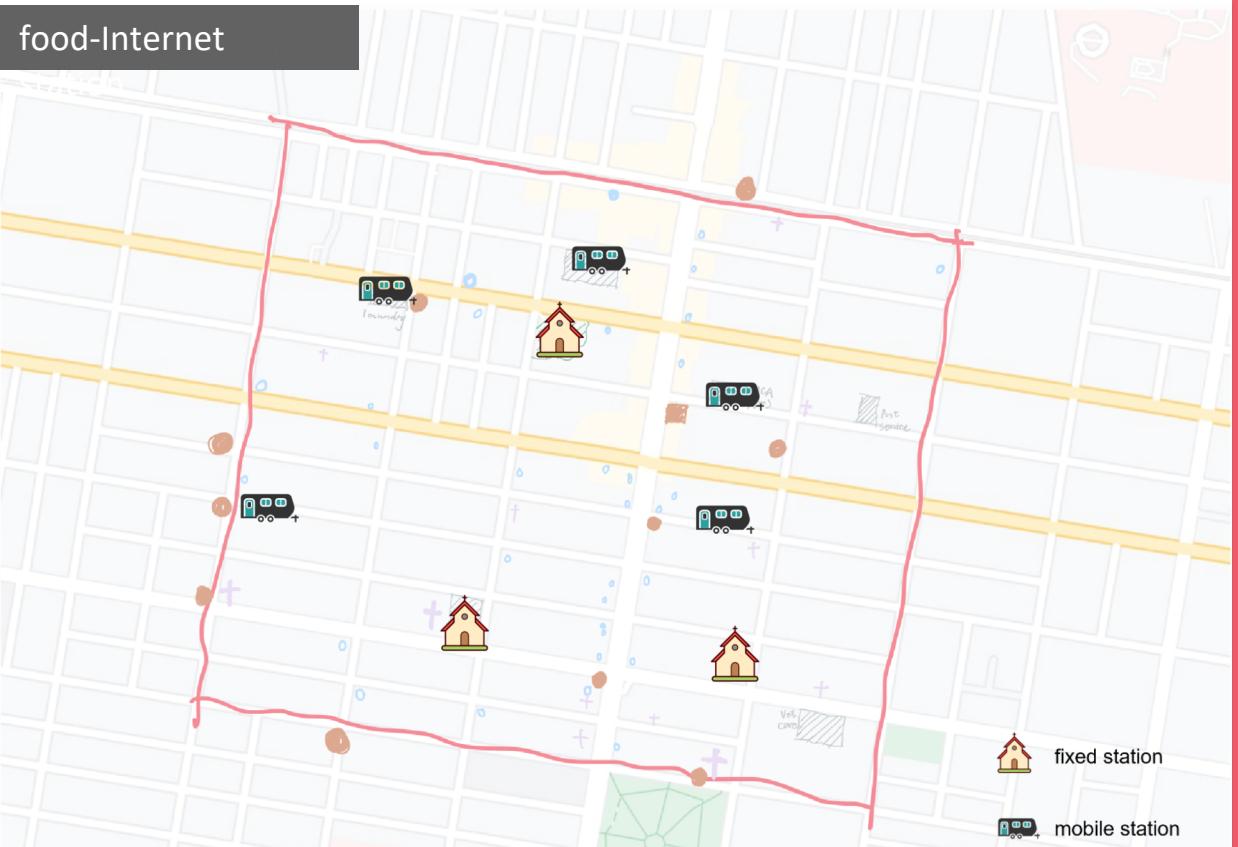


<https://www.arcgis.com/apps/opsdashboard/index.html#/39a2ce3c82ed4c71a6068c9e233e9bdd>

<https://www.wifimap.io/2969-philadelphia-free-wifi/map>

Test bed resources & stations potential location

food-Internet



Fixed station:

Accommodation, better be at the center of the area.

Mobile station:

Take advantage of commercial hot spots;

Goal:

- Easy for everyone in this area to get to
- Have enough daily supply;
- Dynamic system

Dashboard

Join as suppliers, funding or individual volunteer

- Dashboard
- Map
- Messages
- Program
- Account Setting

Click for more details about food amount

suppliers' real time status

Dashboard

Find out what you can do for smart food grid!

TOTAL MEALS DISTRIBUTED OVER TIME

Join us

Our partners

Area



Pixelz Warrios

Make a donation

NOTIFICATION



Clifford Hale Sent you a message
Hallo bro anak wes piro sa...? wes kuliah urung?...
2 hours ago



Donor #1 Sent you a coin
Donor #1 just donated!
+\$50 3 hours ago

[make a donation](#)



Restaurant #1 Restaurant #1 joined the grid and will provide sandwiches
+39.69% about it
3 hours ago



Danny Jacobs from food truck #1
Good food!
2 hours ago

[find the truck](#)

Find a food truck

[See All](#)

Suppliers

Name	Status	Operator	Location	Food	Start Date
Sweetgreen	Waiting for pick up	Darrell Williamson	3925 Walnut St	Salad, fresh vegetables, fruits	03/03/21 22:43
United by Blue	Delivered	Dustin Wilson	3421 Walnut St	drinks, dessert	04/30/21 10:03
Mr Hook Fish & Chicken	Preparing	Jerome Simmons	206 S 52nd St	seafood	01/28/21 14:11



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