

Concept

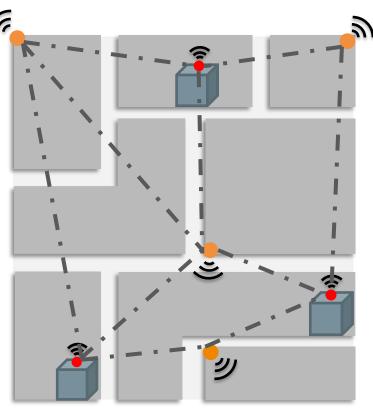
Proposal to tackle food insecurity along with proving supporting infrastructure to further digital inclusively in the City of Philadelphia.

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: 41yrs.

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



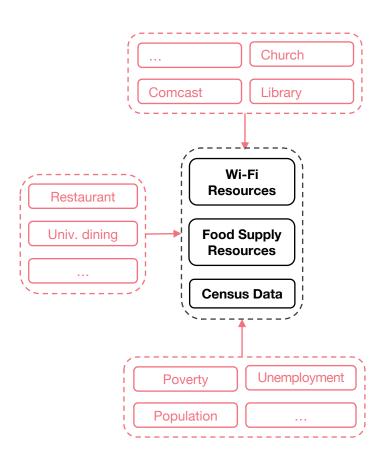
Household of 4 Mother, Father And 2 kids in K-12

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



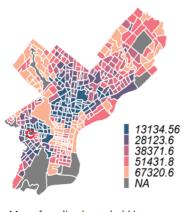
Food Supply Resources
Where and When to collect the food



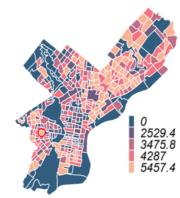
CensusWhere to send

Site location

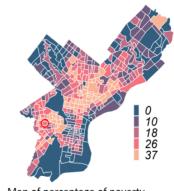
Detailed information of test bed site.



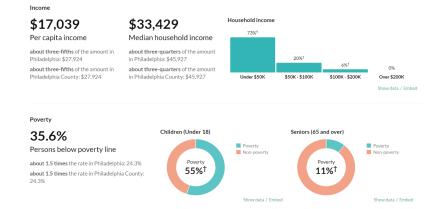
Map of median household income



Map of total population

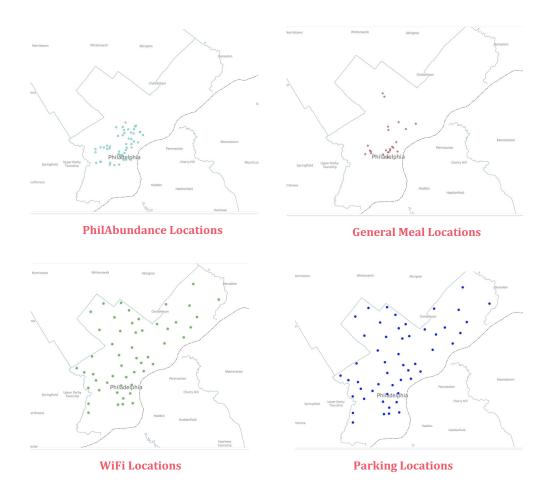


Map of percentage of poverty

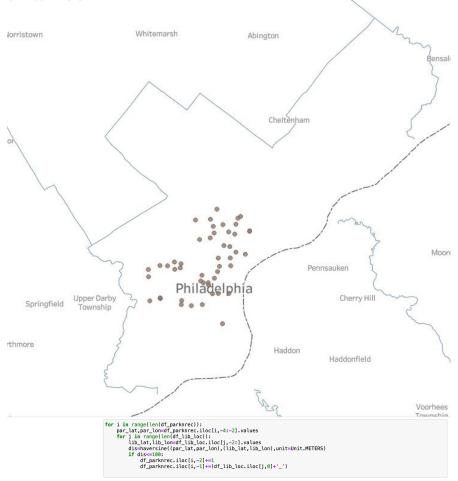


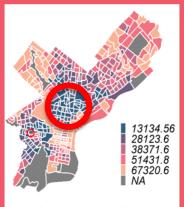
Testbed: Census tract 85, bounded Market Street, South 50th Street, Pine Street and South 55th Street.

Data Presentation



Parks and Rec





Map of median household income



Next steps and hurdles?

- 1. How to overlay the census data with flex network data set?
- 2. Trying to figure out how to locate the optimal locations in tracts that need these locations?