Citizenly: Empowering Communities by Democratizing Data Science

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Award #: 1943002

Goal: Research, develop, and evaluate Citizenly, a novel cyberinfrastrcuture, to *democratize data science* and enable *community engagement* towards civic progress.
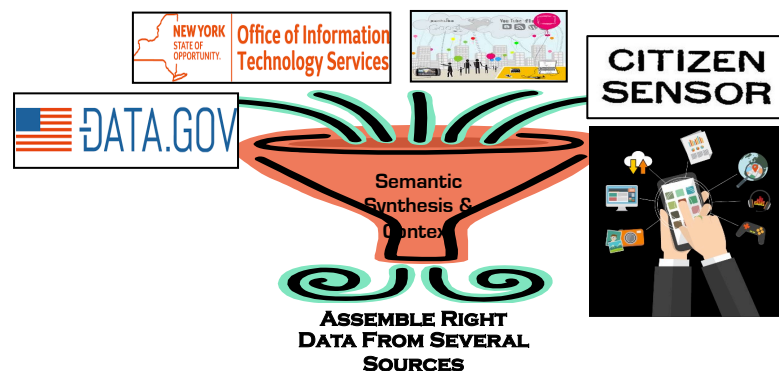
Citizenly initiative aims to develop and evaluate:

- Community Data Infrastructure
  - Citizen Sensor to collect specific and community related urban data
  - Model-based ETL for synthesizing community data
- Citizen-centric Programming Model
  - Domain-specific interface: simple and easy to use interface for community data
  - Intent-based services composition
- Build and validate qualitative and/or quantitative models of community capital

Partnership (City of Rochester, NY):

- Community Advisory Board (Testbed Neighborhood)
- Office of Innovation an Economic Development
- Common Ground Health of Rochester
- For more information, check out:
  http://urban.se.rit.edu/citizenly

Testbed: Marketview Heights Neighborhood in the City of Rochester, NY