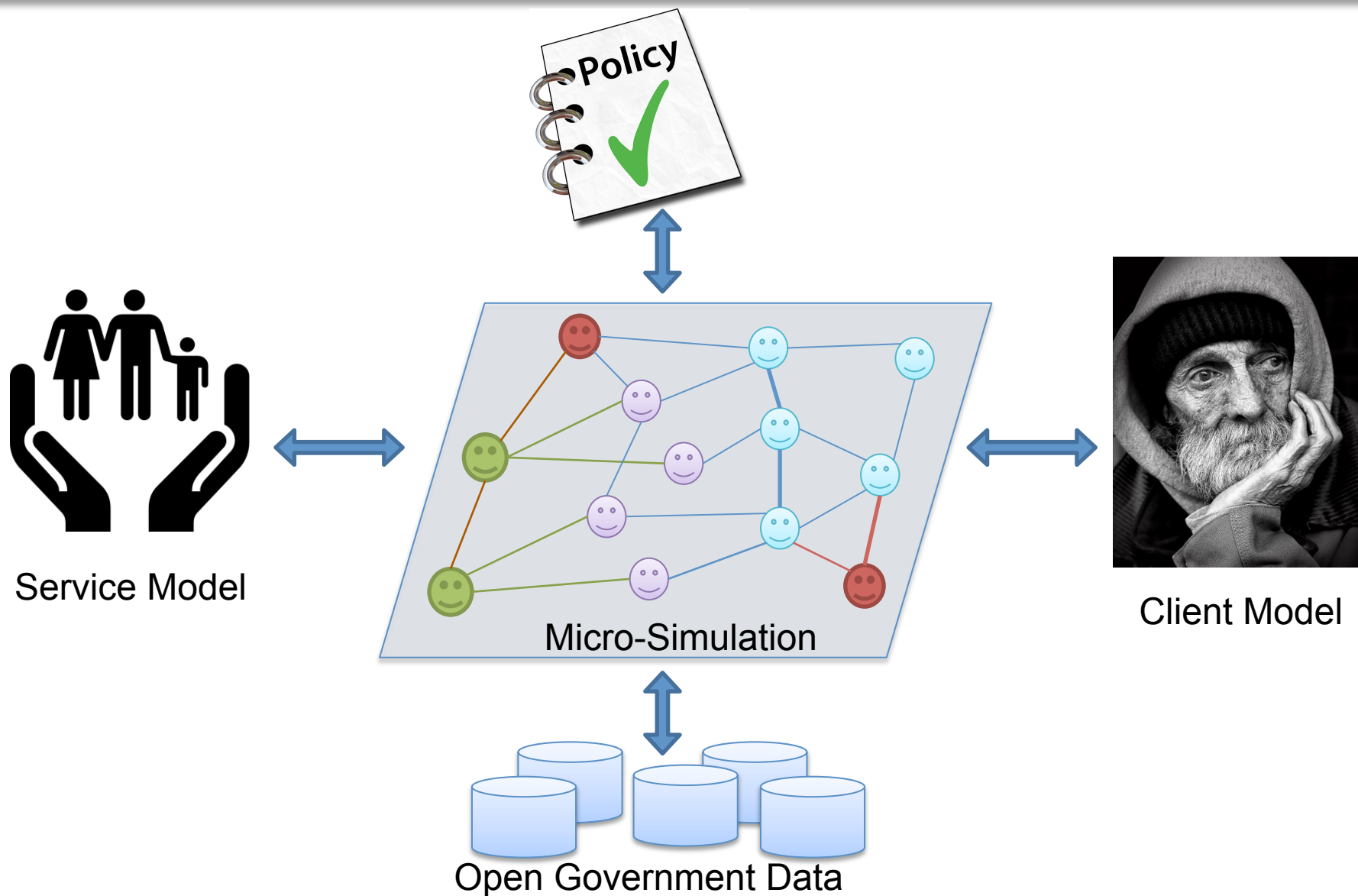


Background

- Bart Gajderowicz
 - PhD Candidate, Mechanical and Industrial Engineering Department, University of Toronto.
 - Supervisors: Dr. Mark S. Fox and Dr. Michael Grüninger.
 - Member of Centre for Social Service Engineering at MIE.
 - Expected graduation and project completion in 2017.
- Motivation:
 - North American's elderly homeless population: (1990s - 2013) increased from 8% to 24% living in shelters and to 55% living on the streets.
 - Toronto seeing an increase: (2006 - 2013) 18% to 29%.
 - Homeless intervention trials often overlook the elderly's unique needs, despite these needs being key factors in the outcomes of such trials (e.g. poor mental and physical health, lower income, lower chances of outpatient medical care, social isolation, and infrequent social worker visits).
- Goal:
 - Creating models of social service chain clients, with extensions for various subpopulations, to evaluate policy impact on the targeted clients and related subpopulations.
- Methodology:
 - Use a Belief-Desire-Intention agent-based micro-simulation to represent homeless clients.
 - Use studies and open government data to iteratively build high fidelity client models.



Modeling and Evaluation



Collaboration

- Health Policy
- Municipalities: CTOs, CIOs, analysts, and health policy makers.
- Social Service Providers
- Open Government Data Owners
- University of Toronto:
 - Institute of Health Policy, Management and Evaluation
 - Dalla Lana School of Public Health
 - Factor-Inwentash Faculty of Social Work
 - Ontario Institute for Studies in Education: Counselling & Clinical Psychology, Counselling Psychology, etc.
 - Rotman School of Management
 - Others?