

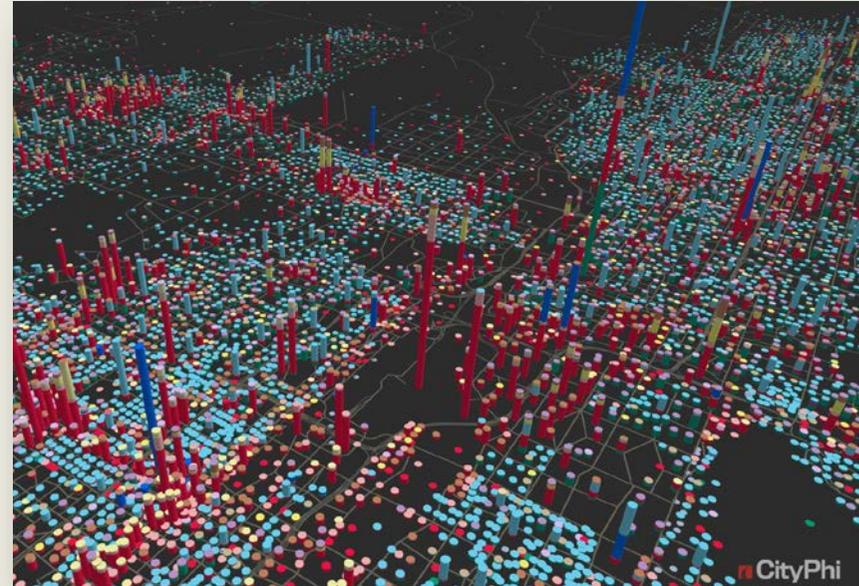
Model Capabilities and Visualizations of ABM Outputs

Key Project Team Members

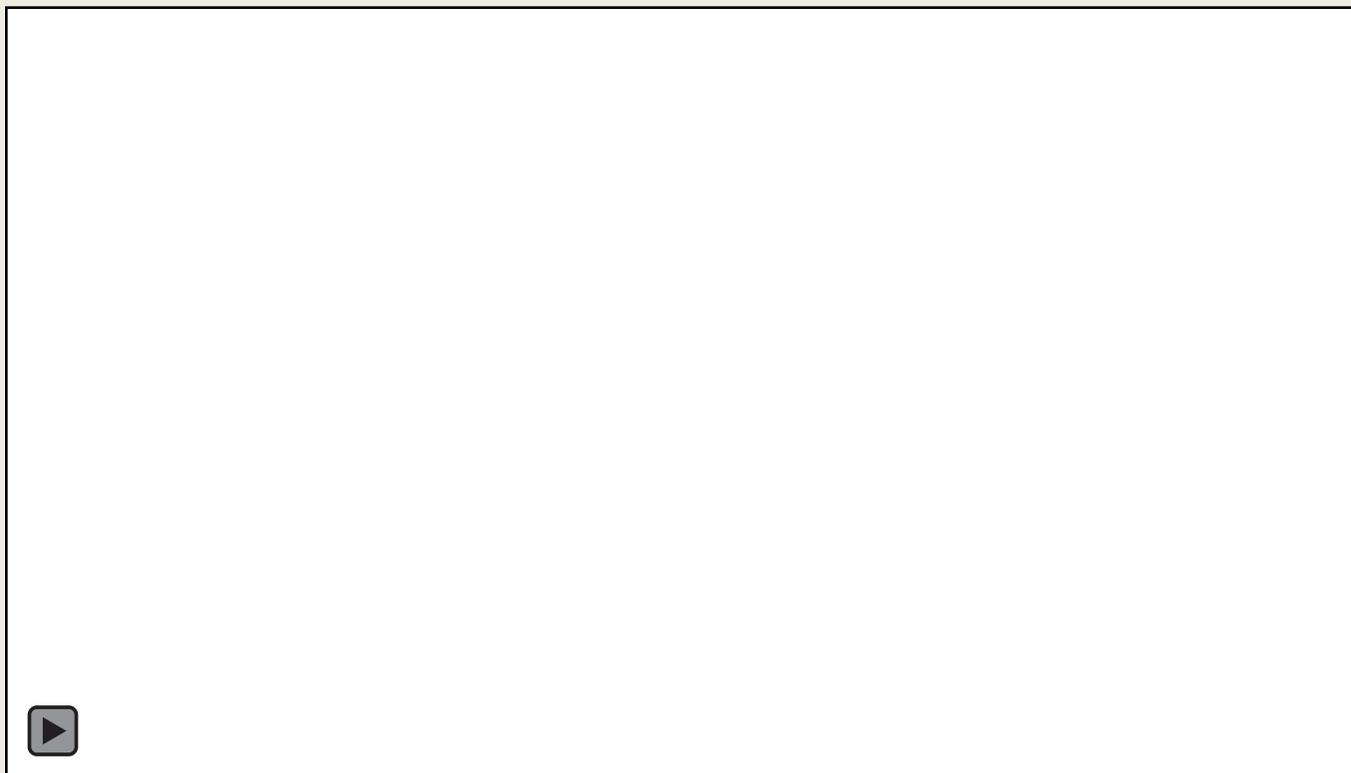
- **MAG:**
 - Vladimir Livshits
 - Kyunghwi Jeon
 - Petya Maneva
- **PB:**
 - Peter Vovsha
 - Jim Hicks
 - Surabhi Gupta
- **INRO:**
 - Dan Florian
 - Matthew Hodak
 - Kevin Bragg

MAG ABM

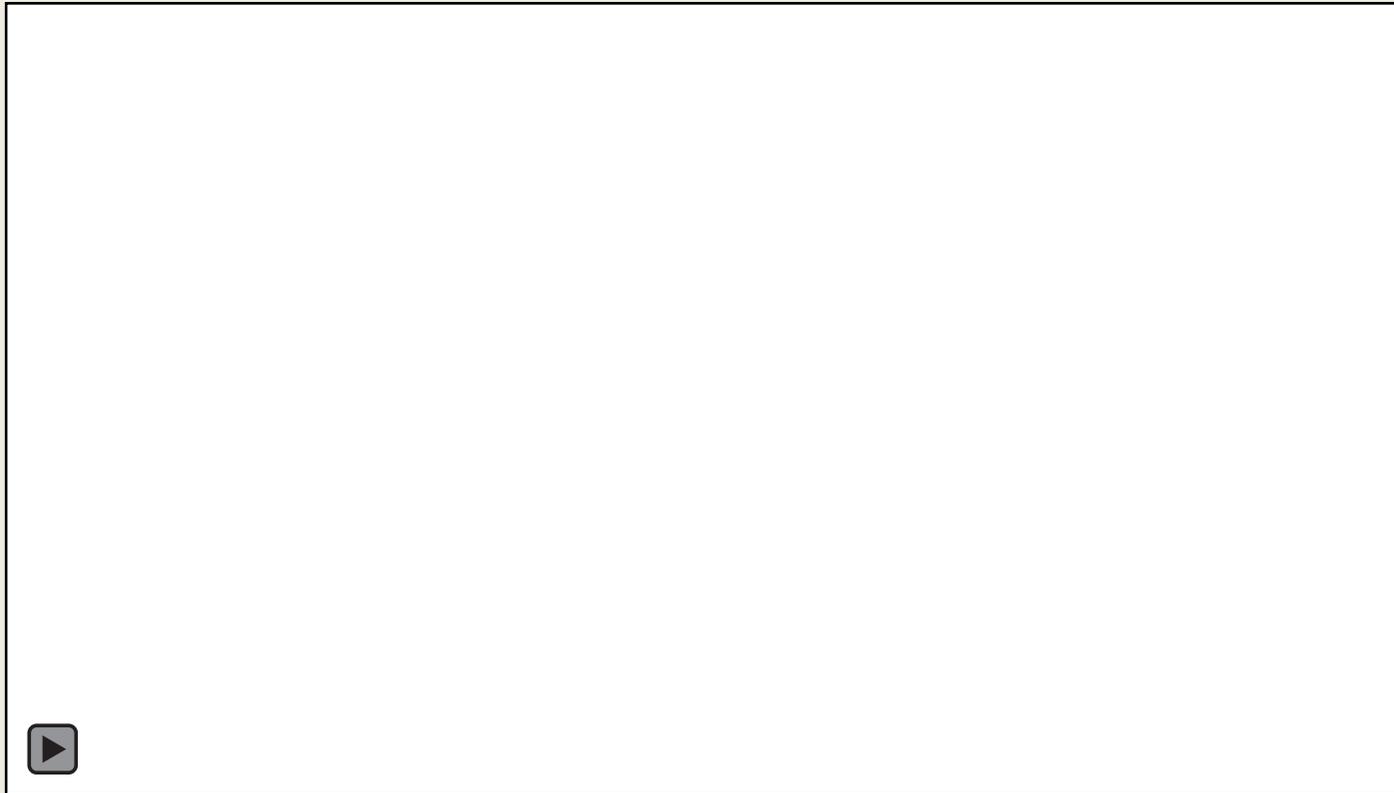
- A rich database of spatial, socioeconomic and mobility data
 - 4 (to 6) million people
 - 20 (to 32) million daily activities
 - Temporal effects
 - Spatial effects
 - Detailed person interactions
- Presented as a complete visualization of regional mobility



Socio-economic Activities



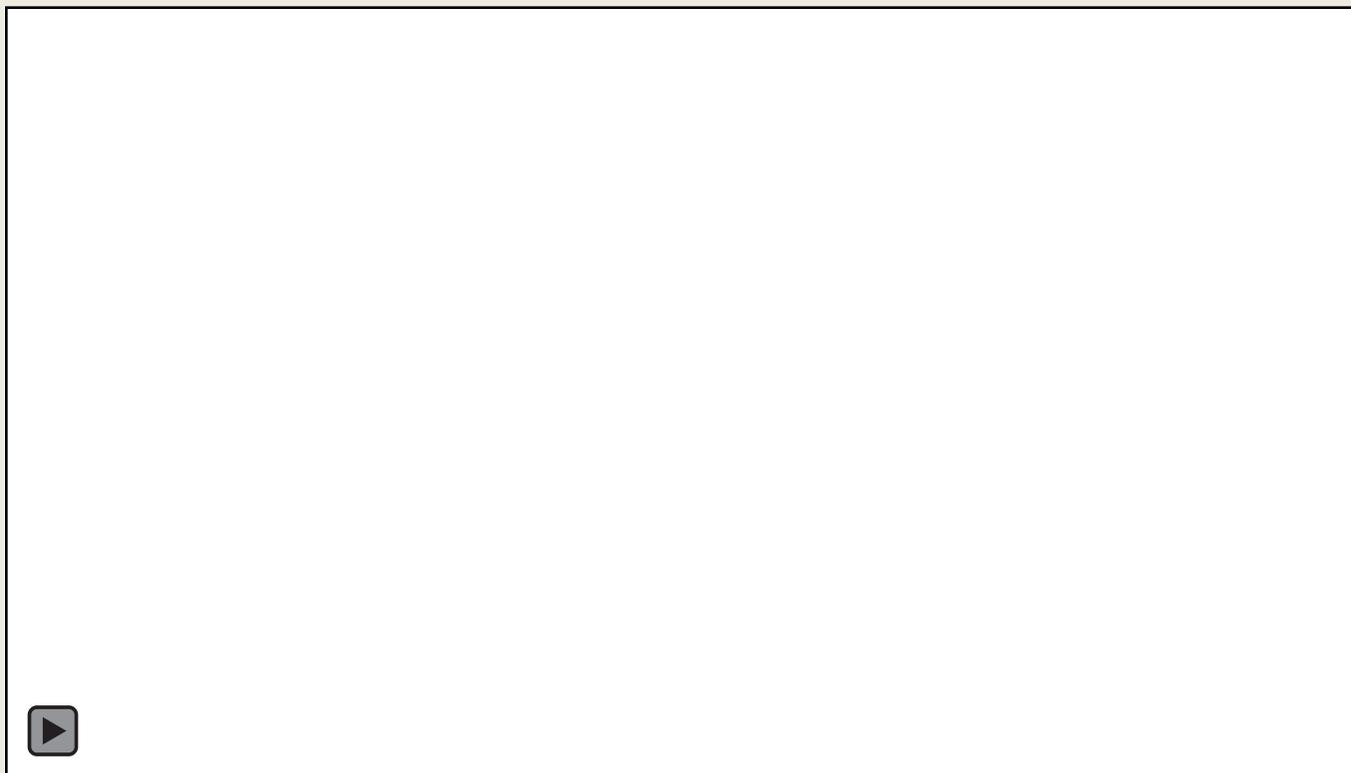
Employment Patterns by District



Pre-K and K Daycare Activities



Special Event: Mill Avenue Block Party



A Full Visual Representation of Regional Mobility

- These were a few examples illustrating how outputs can be transformed into useful visualizations
- Other treatments for
 - Model transparency
 - Model credibility
 - Scenario comparison
 - Decision support

