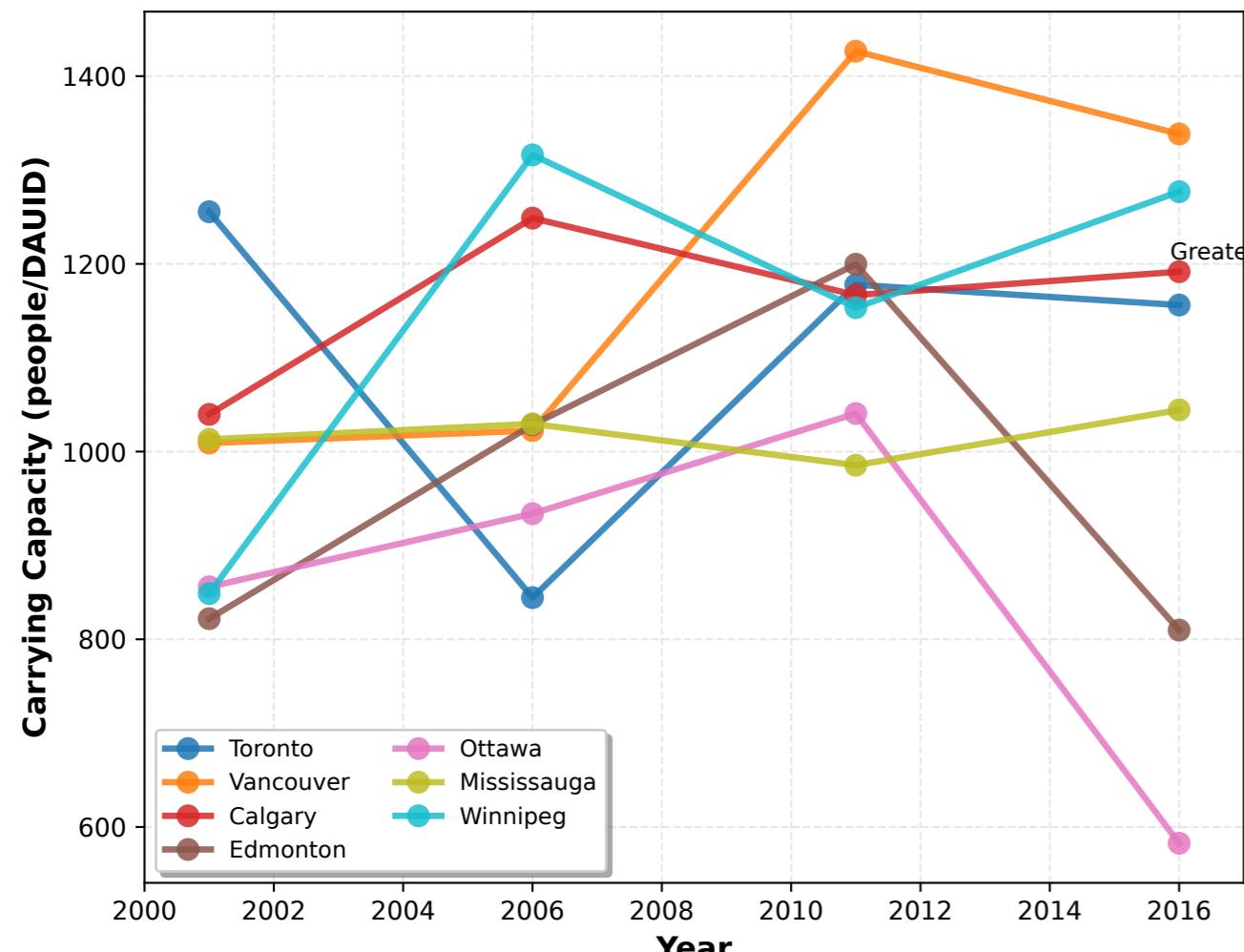


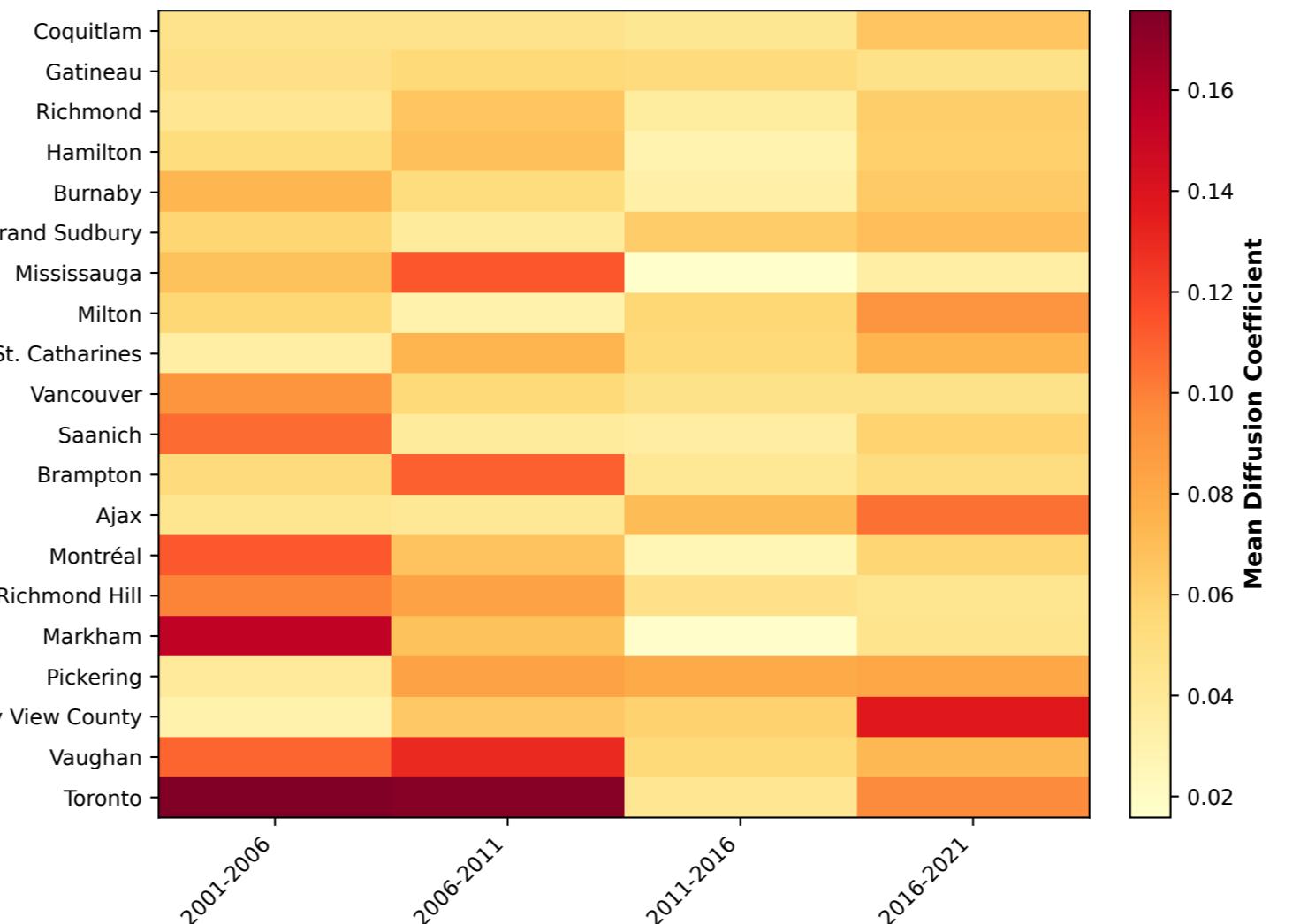
# City-Scale Spatial Dynamics Across 51 Canadian Cities

Learned parameters from GraphPDE: city-specific diffusion, growth, and settlement patterns

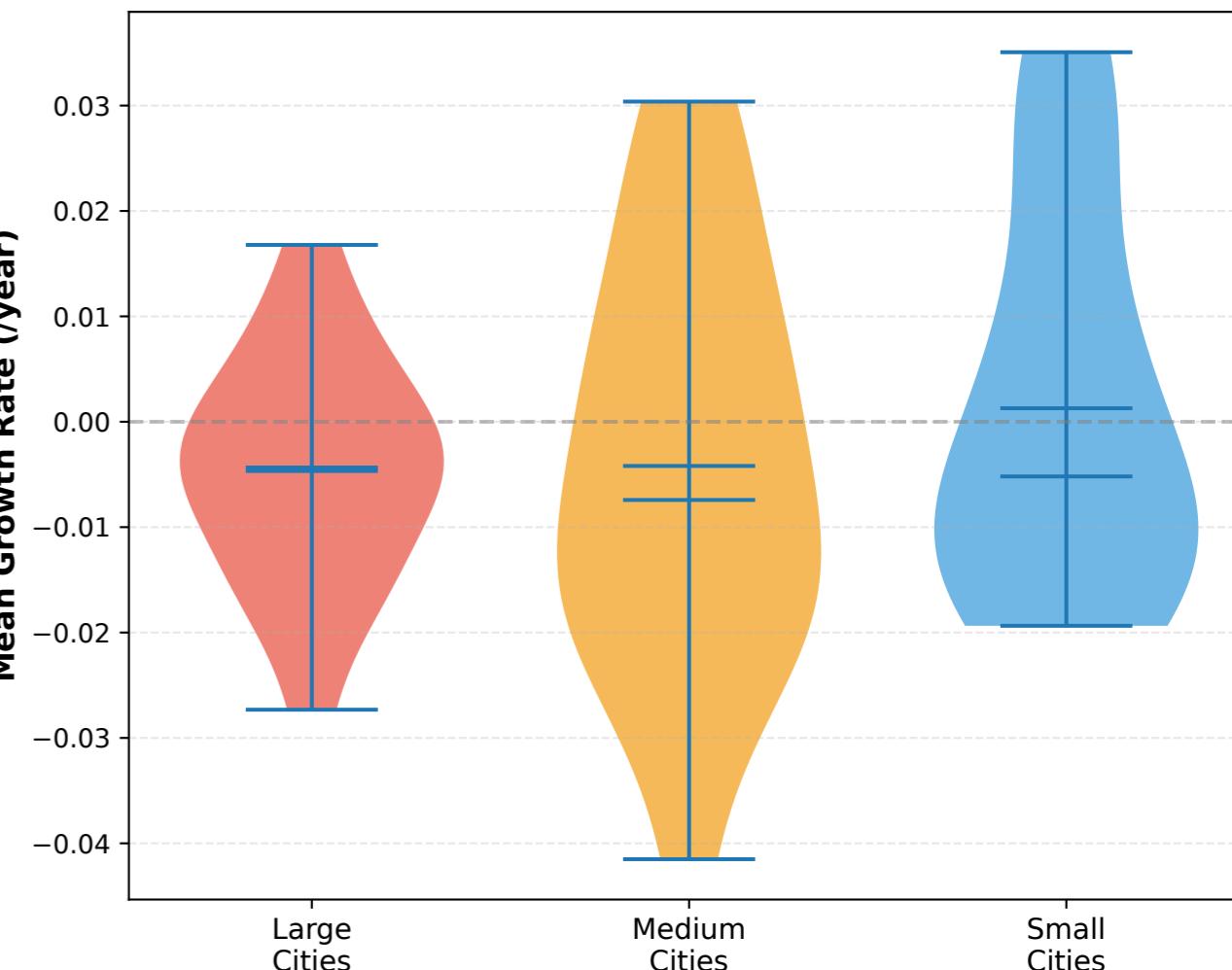
a Carrying Capacity Evolution



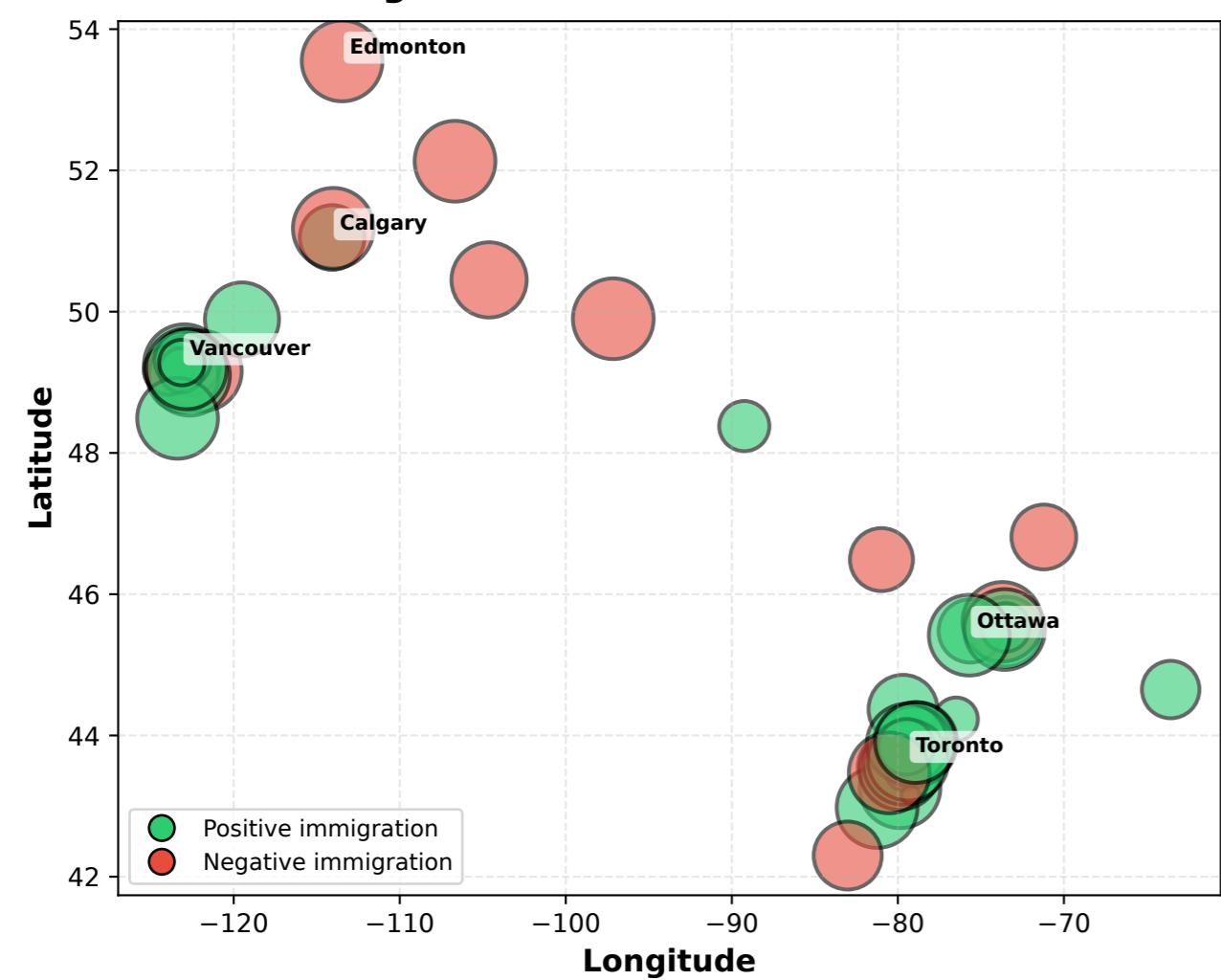
b City Diffusion Patterns (Top 20)



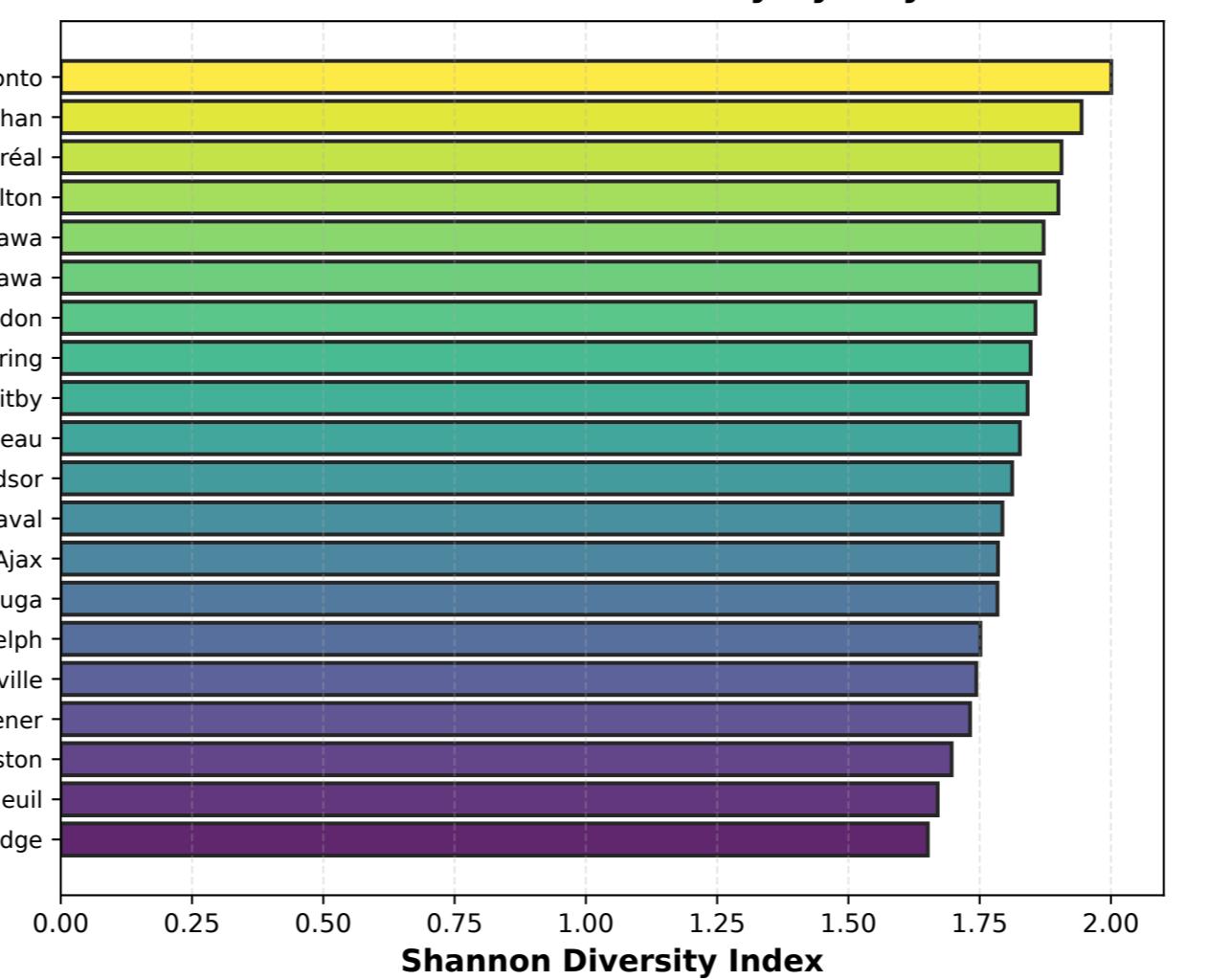
c Growth Rates by City Size



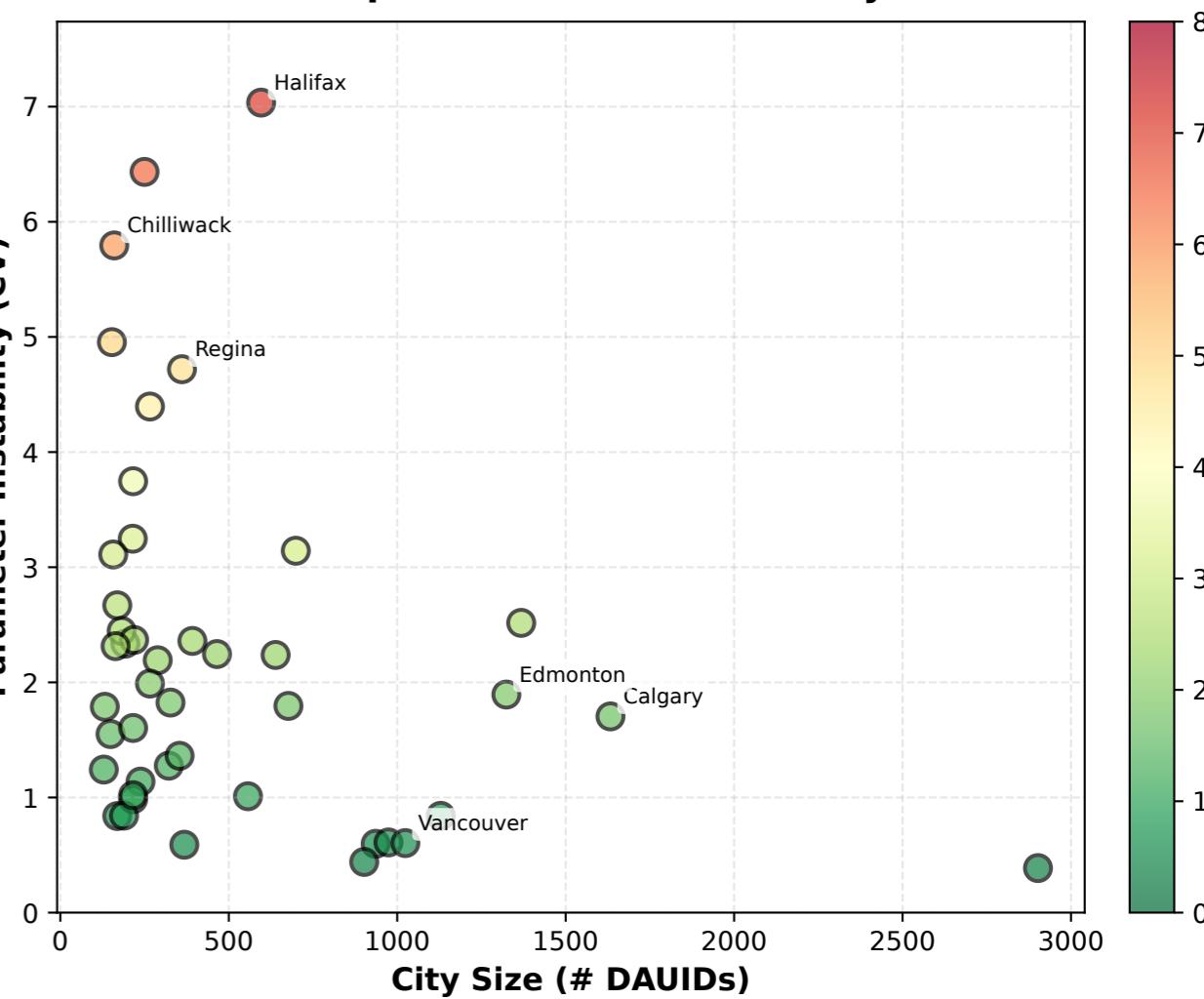
d Immigration Attractiveness (2016-2021)



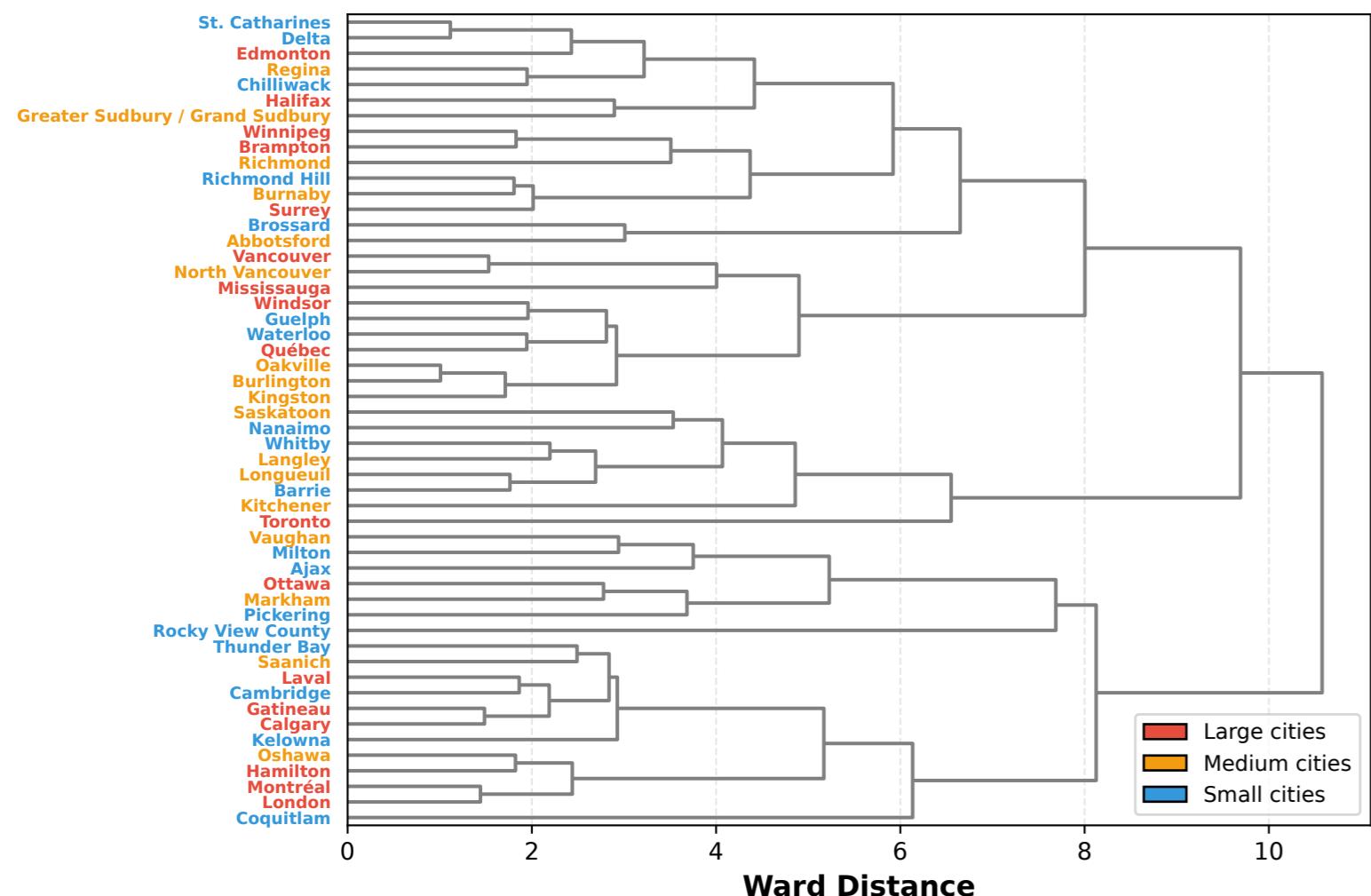
e Multi-Ethnic Diversity by City



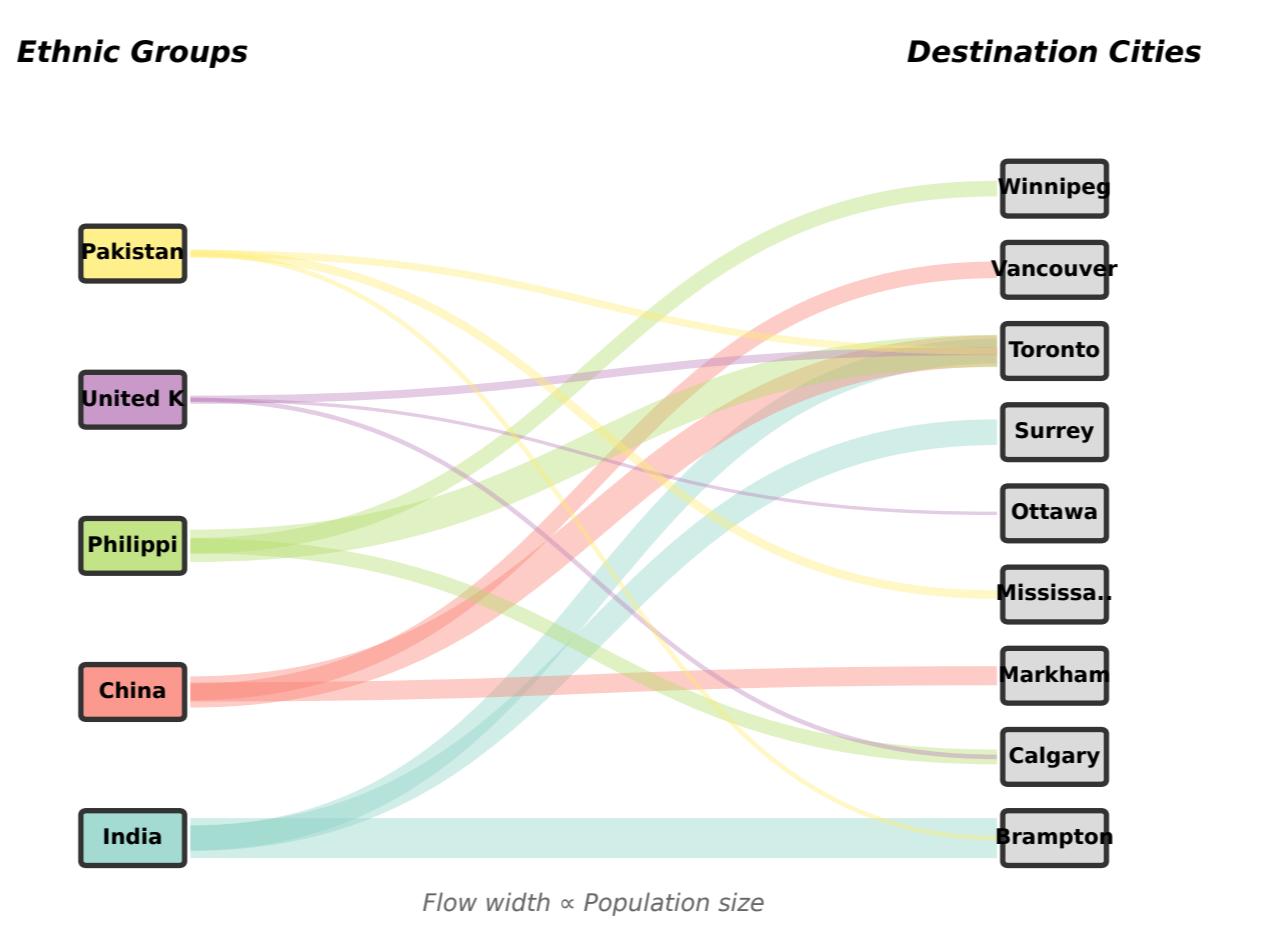
f Temporal Parameter Stability



g City Relationships (Hierarchical Clustering)



h Ethnicity → City Settlement Flows (2021)



i Spatial Pattern Scales by City Size

