

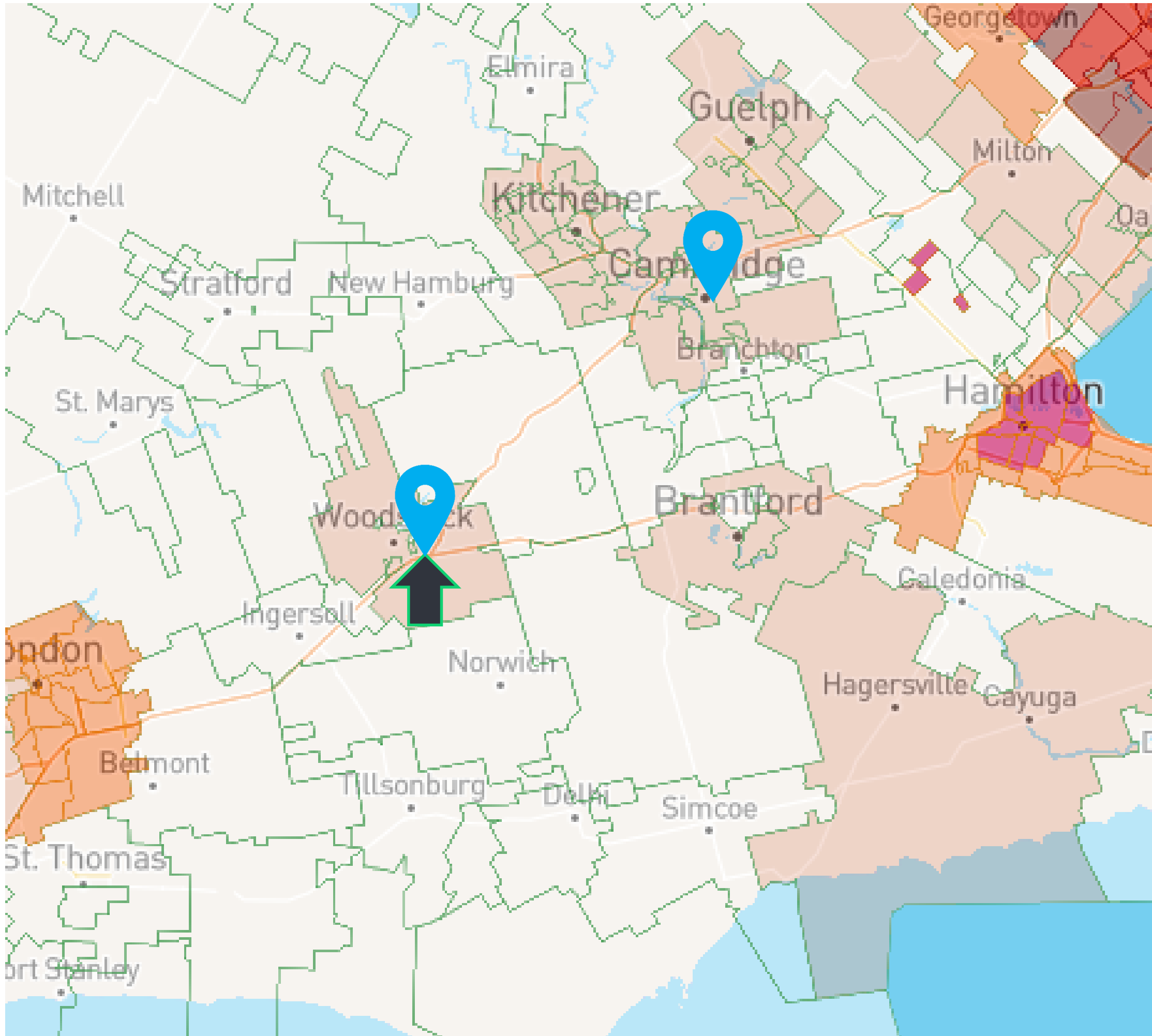
Awase Khirni Syed

# **MULTISCALE DYNAMIC HUMAN MOBILITY FLOW PATTERNS FOR SPATIO TEMPORAL EPIDEMIOLOGY MODELING**

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Original Series  
YEAR

Post Code Map Select Map Region



WEEKS

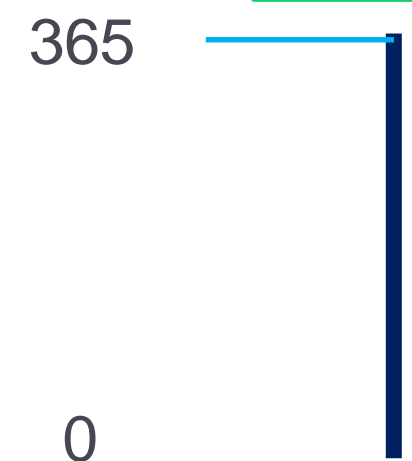
COMPARTMENTAL MODEL: SEIR DIESEASE MODEL

PARAMETERS

SOCIAL DISTANCING: 0.2

Temporal Filter Frame

DAYS WEEKS



Compartmental Model Dimensions

Origin		Destination	
S	5000	S	6500
E	340	E	470
I	27	I	37
R	3	R	8

Social Distancing = 30.0%

