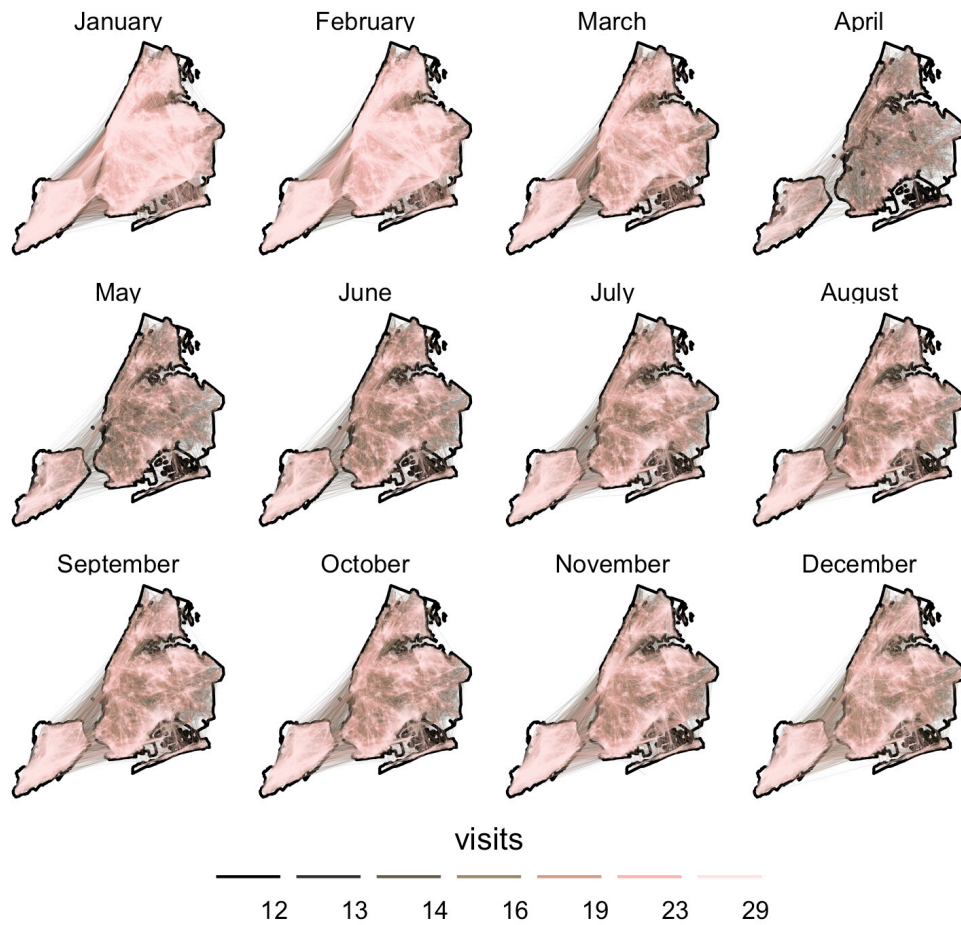
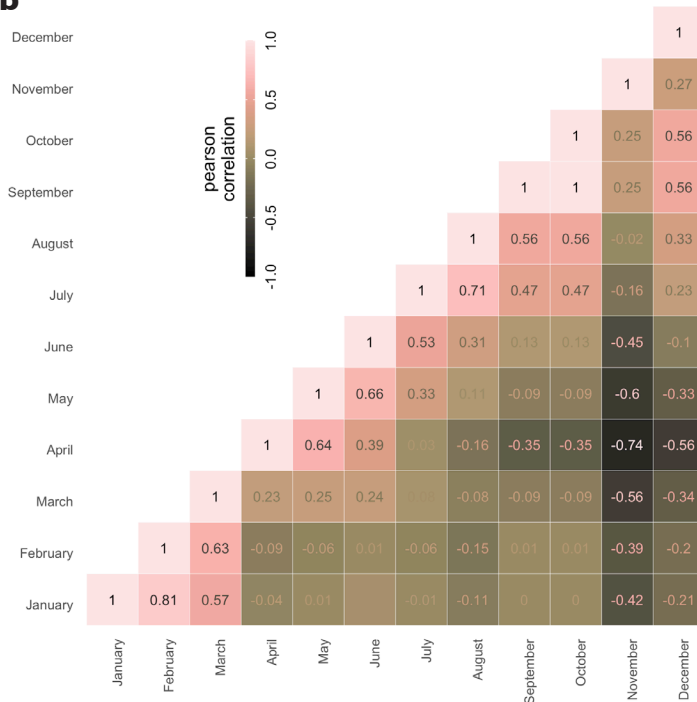
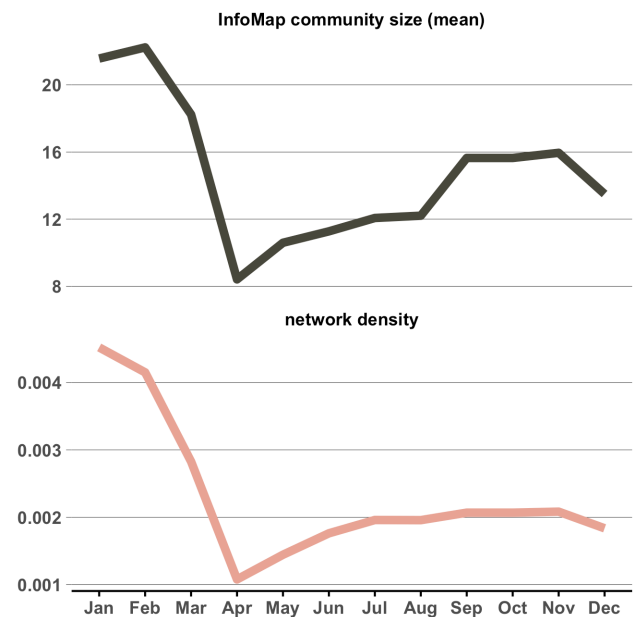


a**b****c**

Based on a prior study exploring the effects of the pandemic for the City of Philadelphia, this panel is designed to establish the processes involved in this research. Figure **a** constructs the network from origin-destination flows and maps it over time to show spatio-temporal variation. Figure **b** indicates a potential measure (graph correlation) for capturing change over time, and figure **c** shows the metrics that will allow us to compare one city to another which may be adjusted or developed over the course of the project. We will also consider measures of entropy to capture changes to the demographic configuration of the network.