



(b)



Figure 1. Taxi trip characteristics in the NYC region. Shown in (a) is the taxi trip density, computed as the average number of trips started within a 1km² area around each location. Gray solid lines indicates the State boundary. White solid lines indicates the coastlines. A strong location dependence is seen when compared with the NYC city map shown in (b), where high taxi demands are observed at the Manhattan region, the LaGuardia Airport, and the JFK Airport. Secondary demands appears primarily along the pathways between these three locations. The average trip distance are plotted in (c), where each trip is associated with its starting location. Longer trip distances are observed near the airport regions, where short trips are observed near and within the Manhattan region.