Context Trails: A dataset to study contextual and route recommendation (Online Data Appendix)

Pablo Sánchez*
psperez@icai.comillas.edu
Instituto de Investigación Tecnológica
Universidad Pontificia Comillas
Madrid, Spain

Alejandro Bellogín*
alejandro.bellogin@uam.es
Escuela Politécnica Superior
Universidad Autónoma de Madrid
Madrid, Spain

José L. Jorro-Aragoneses*
jose.jorro@uam.es
Escuela Politécnica Superior
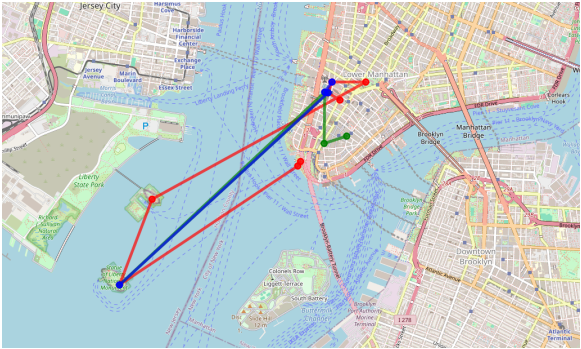Universidad Autónoma de Madrid
Madrid, Spain

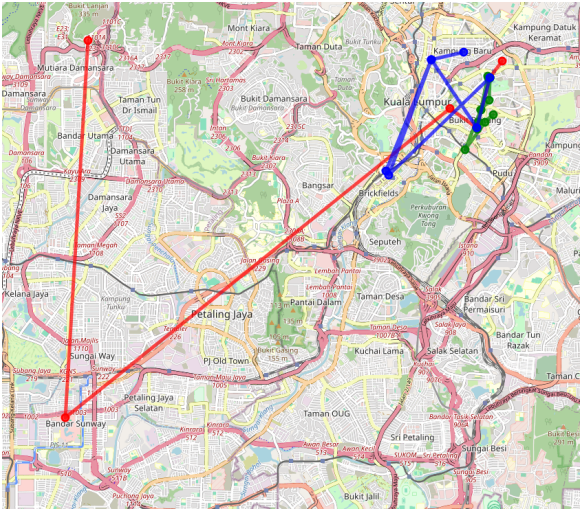Figure 1: Most popular routes in NYC.

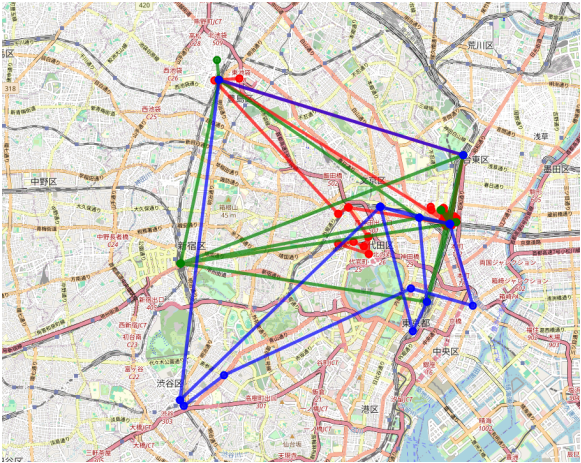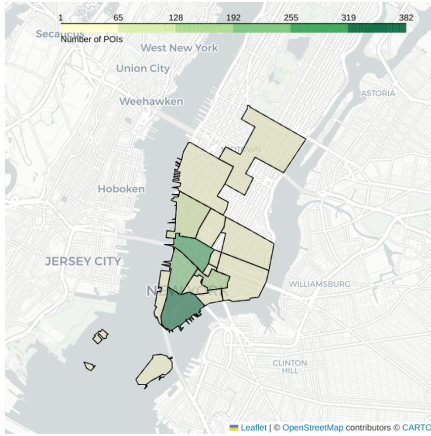Figure 2: Most popular routes in PTJ.

Figure 3: Most popular routes in TOK.

Acknowledgments

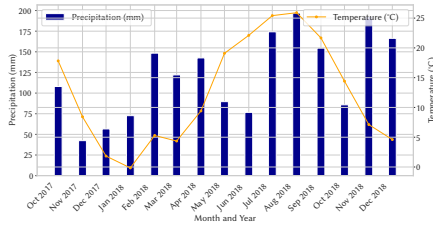*All authors contributed equally to this research.
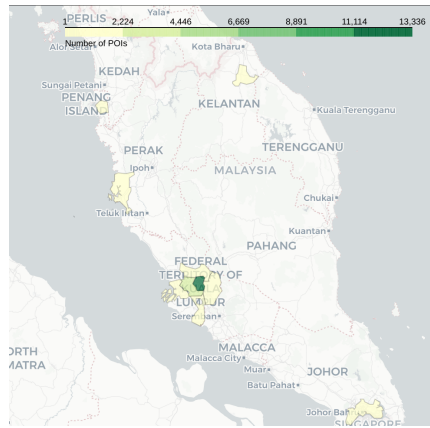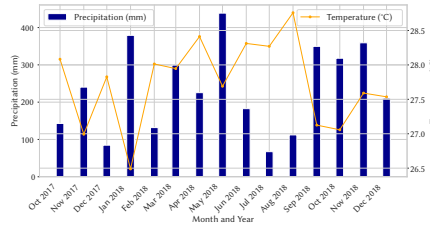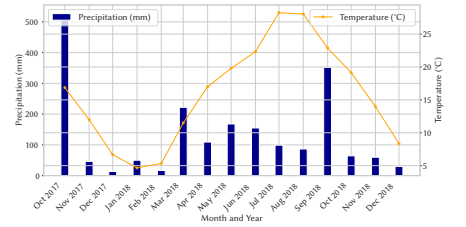
(a) New York City
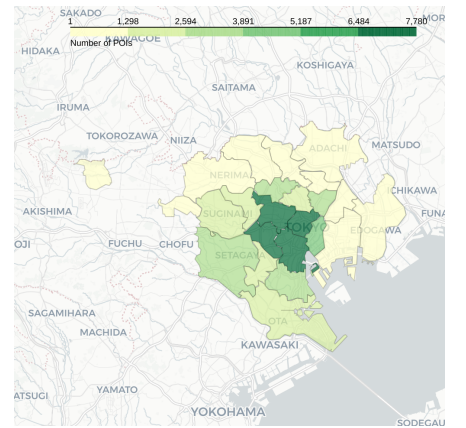
(b) Petaling Jaya

(c) Tokyo

Figure 4: Choropleth map showing the distribution of points available in the three cities that conform *Context Trails*.
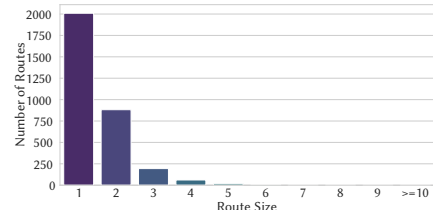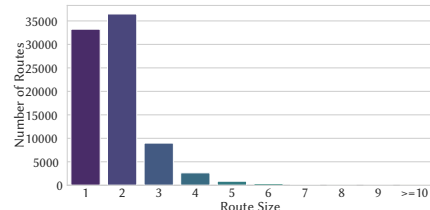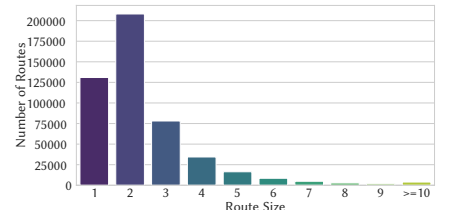

(a) New York City

(b) Petaling Jaya

(c) Tokyo

Figure 5: Climograph of the three cities that conform *Context Trails* throughout the time covered in the data.
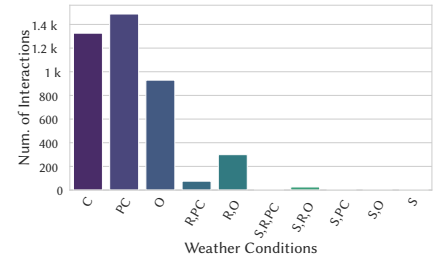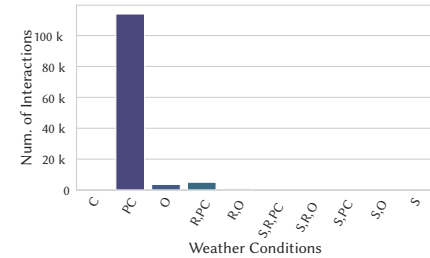

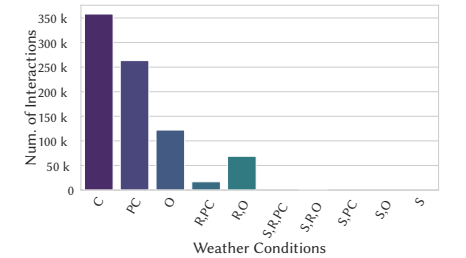(a) New York City

(b) Petaling Jaya

(c) Tokyo

Figure 6: Distribution of the route sizes.

(a) New York City

(b) Petaling Jaya

(c) Tokyo

Figure 7: Number of interactions for each weather condition included in the dataset. Conditions are: *C* (Clear), *PC* (Partially Cloudy), *O* (Overcast), *R* (Rain), and *S* (Snow). Combined conditions are represented by multiple abbreviations, e.g., *R,PC* stands for Rain and Partially Cloudy.
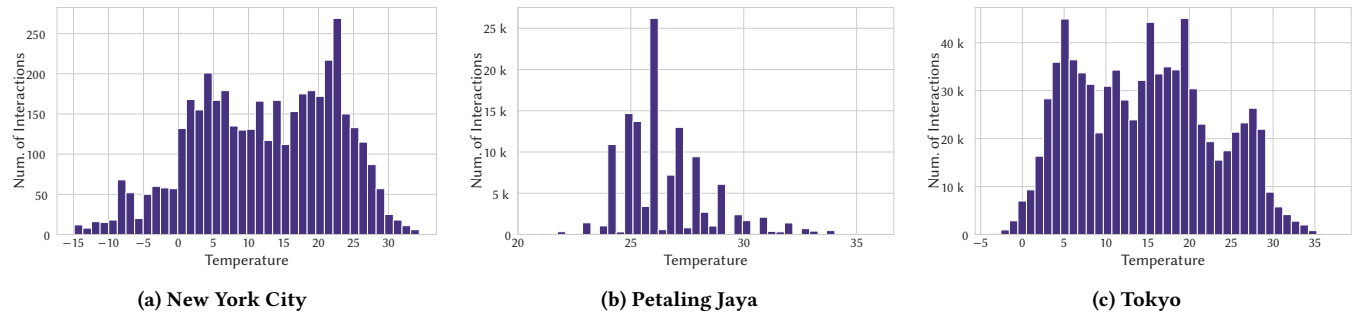
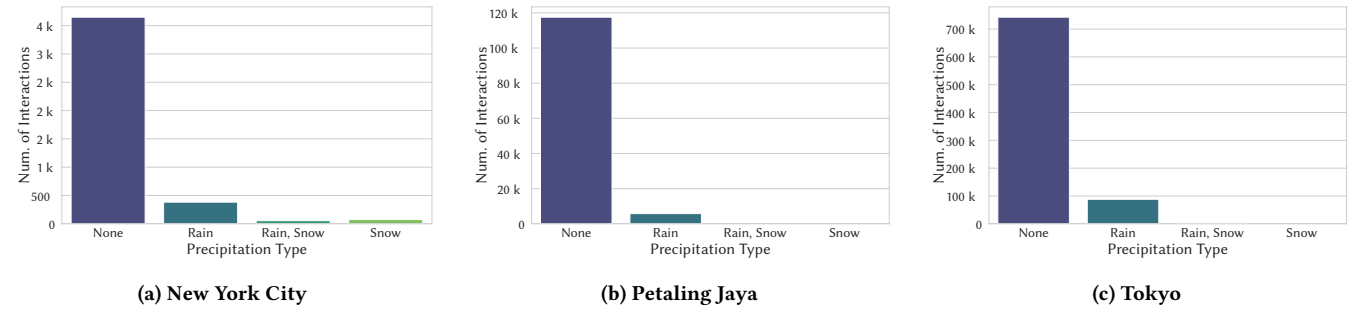**Figure 8: Distribution of the temperatures.**

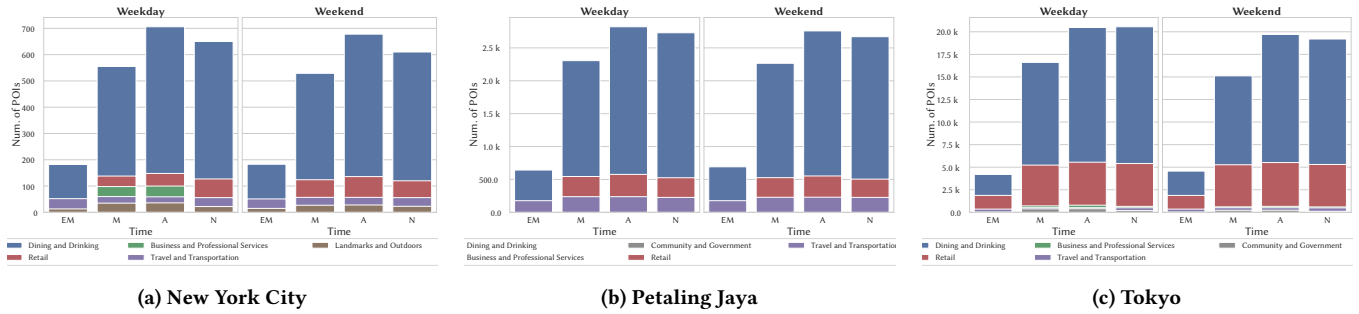**Figure 9: Distribution of the precipitation types.**

Figure 10: Number of POIs open during each time segment of the day: Early Morning (EM), Morning (M), Afternoon (A), and Night (N). For each city, two plots are shown: each plot displays the number of open POIs per category, focusing on the top 10 most represented categories, where the time corresponds to weekdays (left) or weekends (right).