

Spitzentechnologien in der urbanen Mobilität

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Veranstaltung: “Anwendungen von Spitzentechnologien in Münchener-Griechischer Unternehmen und Hochschulen”

September 29th, 2020



ΛΕΣΧΗ ΕΛΛΗΝΩΝ ΕΠΙΣΤΗΜΟΝΩΝ



CLUB GRIECHISCHER AKADEMIKER



Scheuers Millionen-Plan München soll Zentrum für Zukunftsmobilität werden

07.03.2020 17:38 Uhr

Bundesverkehrsminister Scheuer will München zum Zentrum für Zukunftsmobilität machen. Eine halbe Milliarde Euro will er dafür in die Hand nehmen. Aus dem Bundesetat.



Bundesverkehrsminister Andreas Scheuer (hier in Berlin) hat große Pläne für München.

Quelle: Michael Kappeler/dpa

Eine Woche vor den Kommunalwahlen in Bayern kündigt Bundesverkehrsminister Andreas Scheuer (CSU) an, das Füllhorn über seine bayerische Heimat auszuschütten. Für die Mobilitätswende will er 500 Millionen Euro in München investieren. Im "Münchner Merkur" und der "tz" sprach er von einem europaweit und vielleicht sogar weltweit einzigartigen Projekt.

Munich becomes the focal point for Future Mobility



Automesse

**München bekommt Zuschlag
für IAA**



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Solving the mobility challenges
facing our cities

together






BMW Group
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City of Munich
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www.muenchen.de





Siemens Mobility GmbH
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new.siemens.com

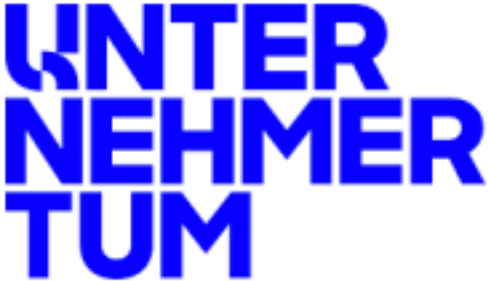


Germany (South), Italy (North and Central),



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problems of large and congested cities



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A Research Platform for Singapore

TUMCREATE

Towards the Ultimate Public Transport System

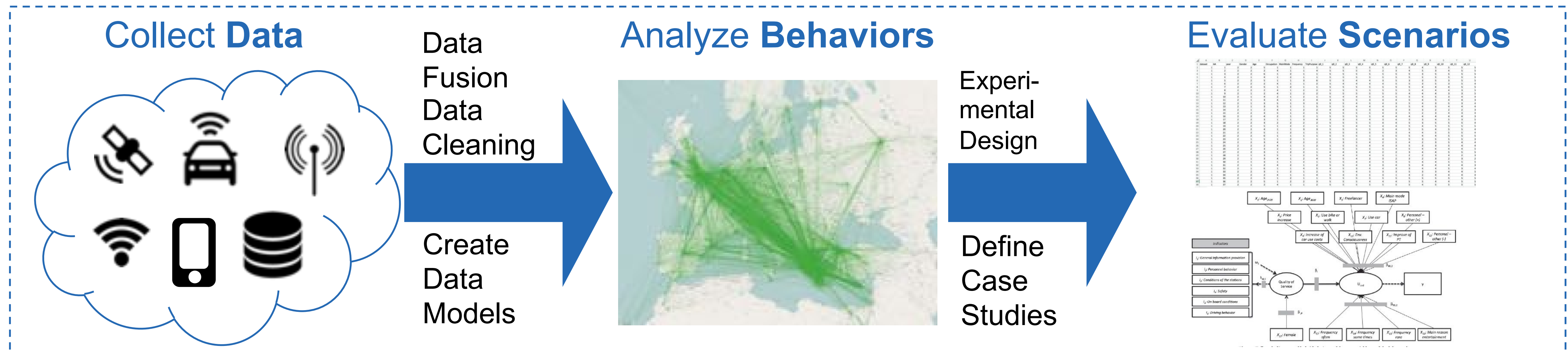
Phase 2 (April 2016 – March 2021)

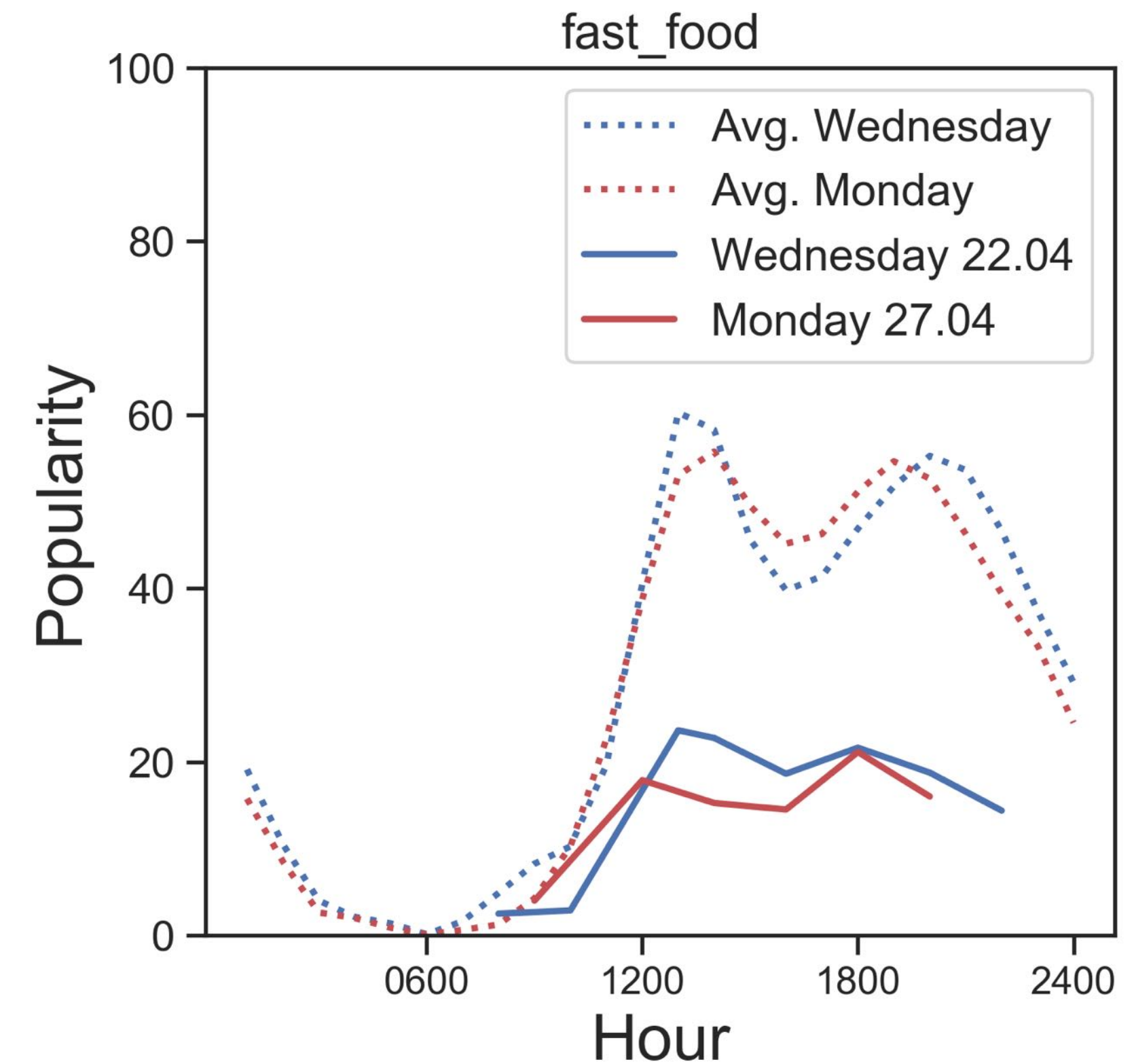
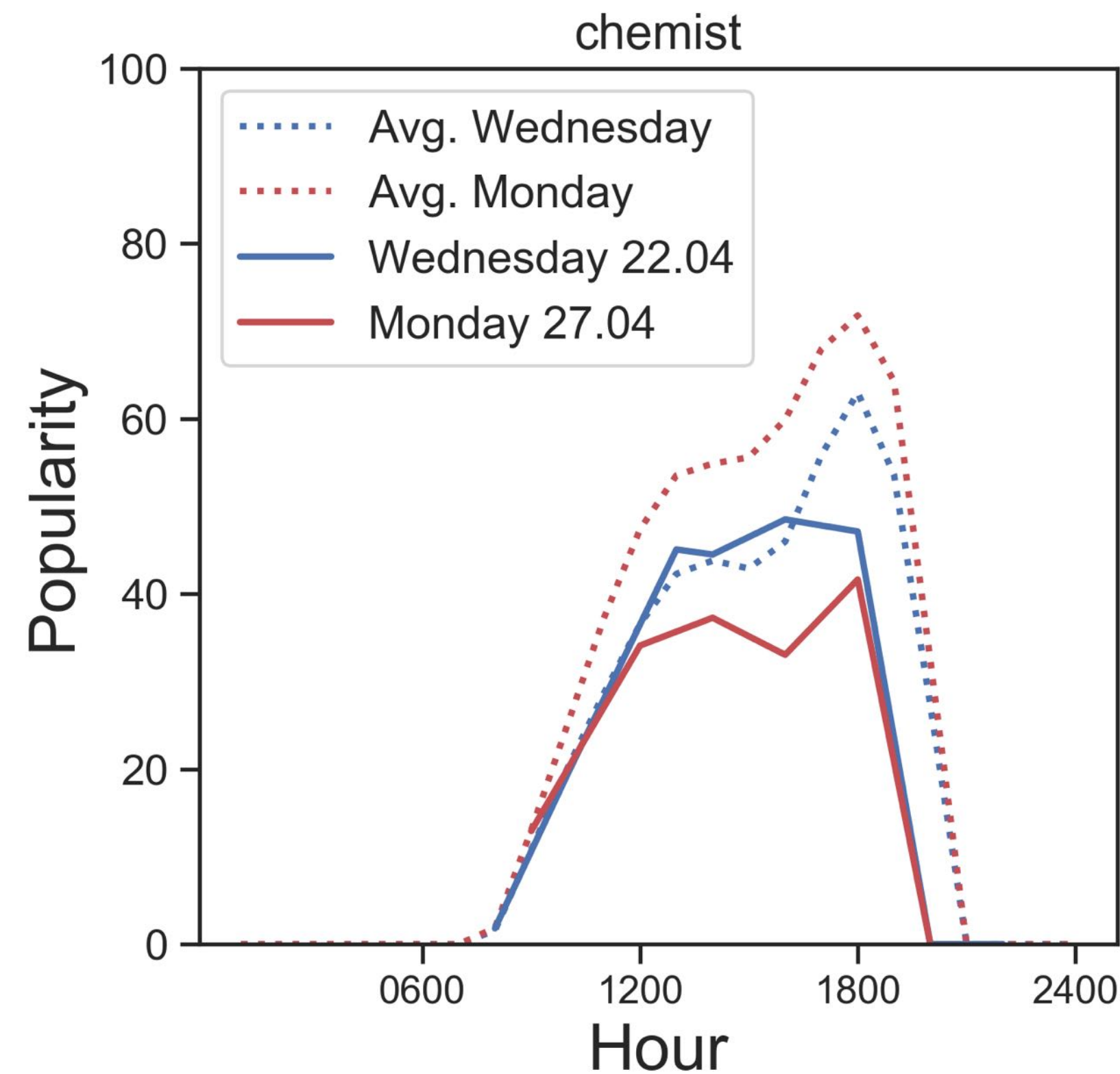
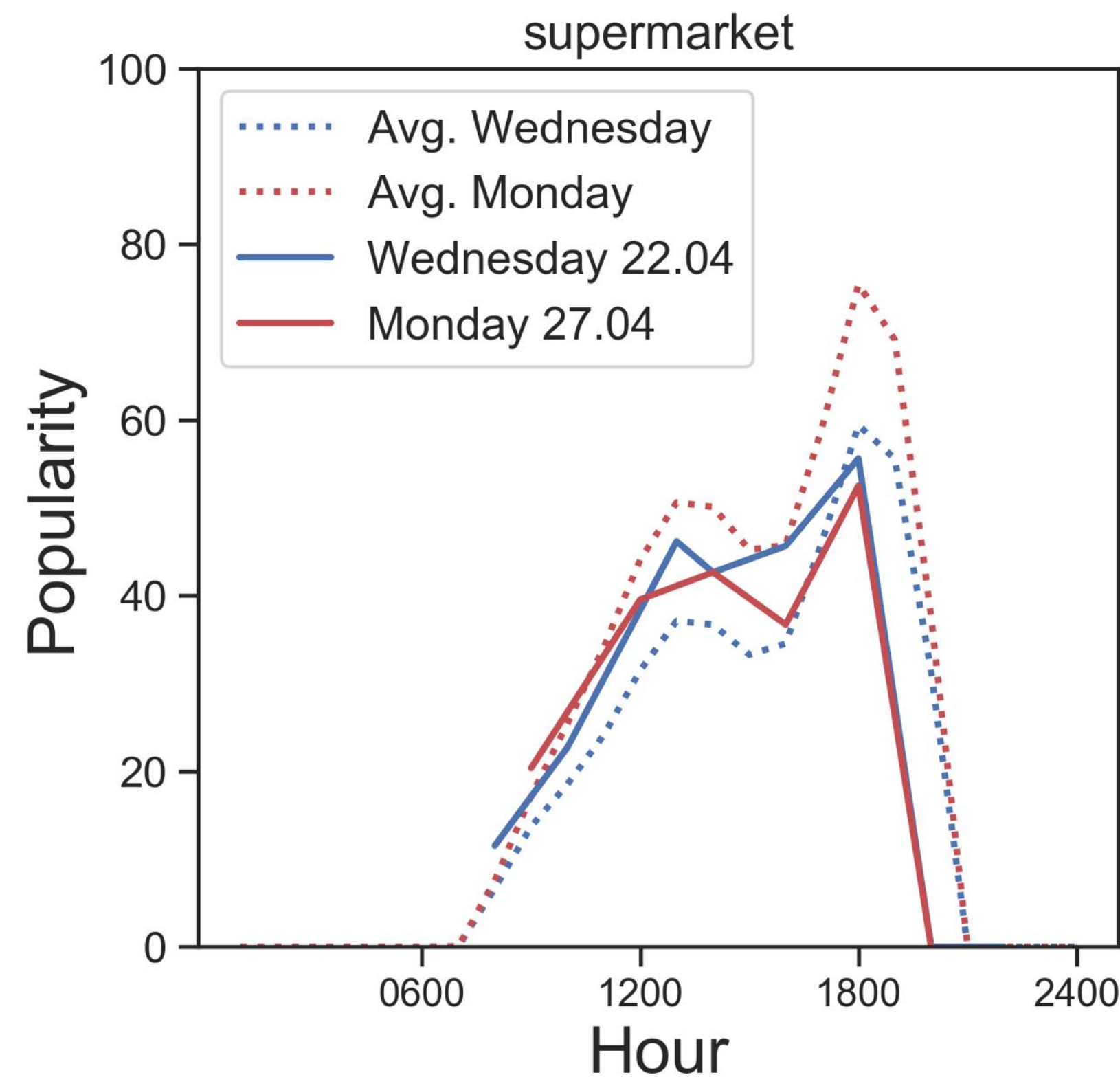


(Big) data analytics in mobility

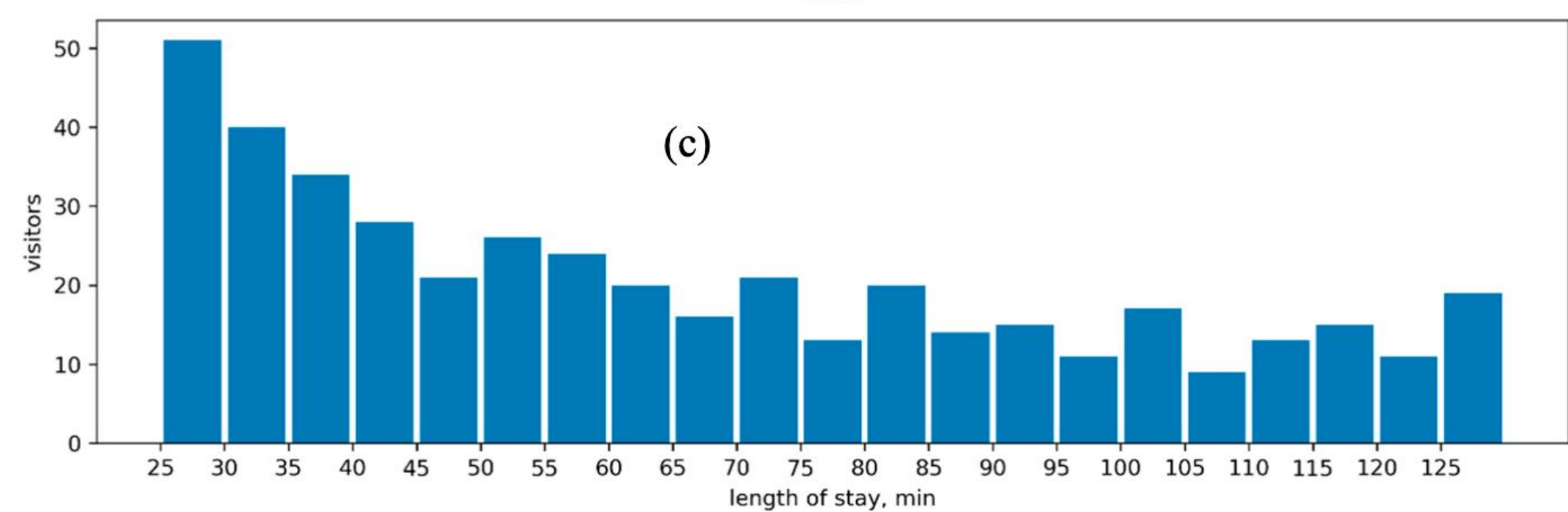
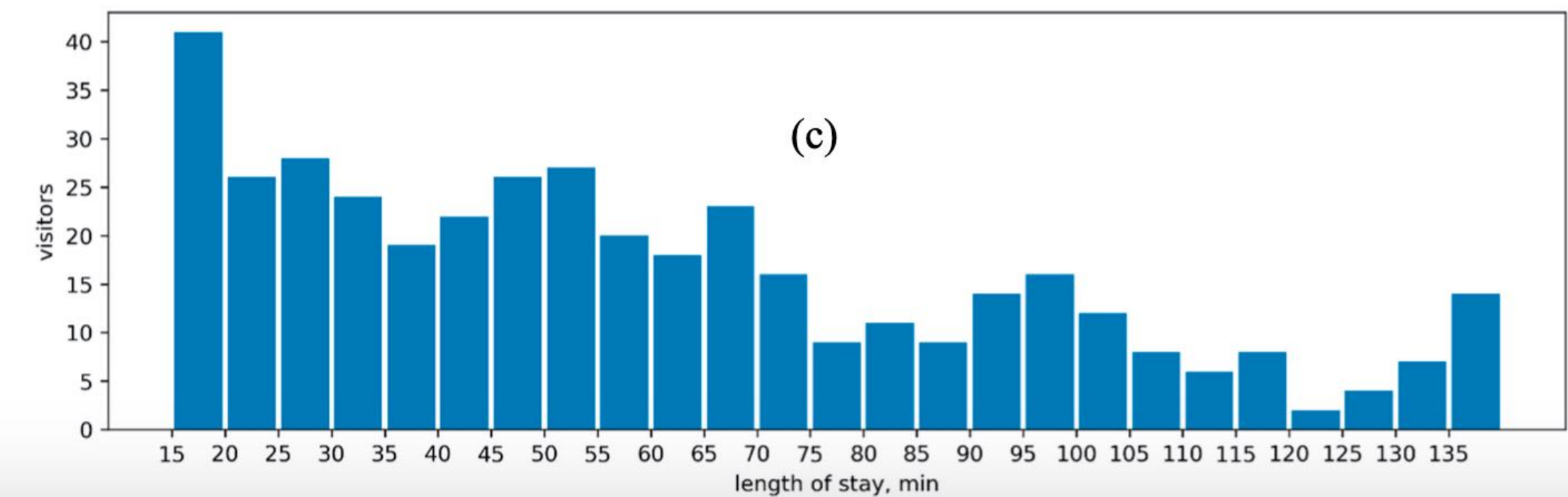
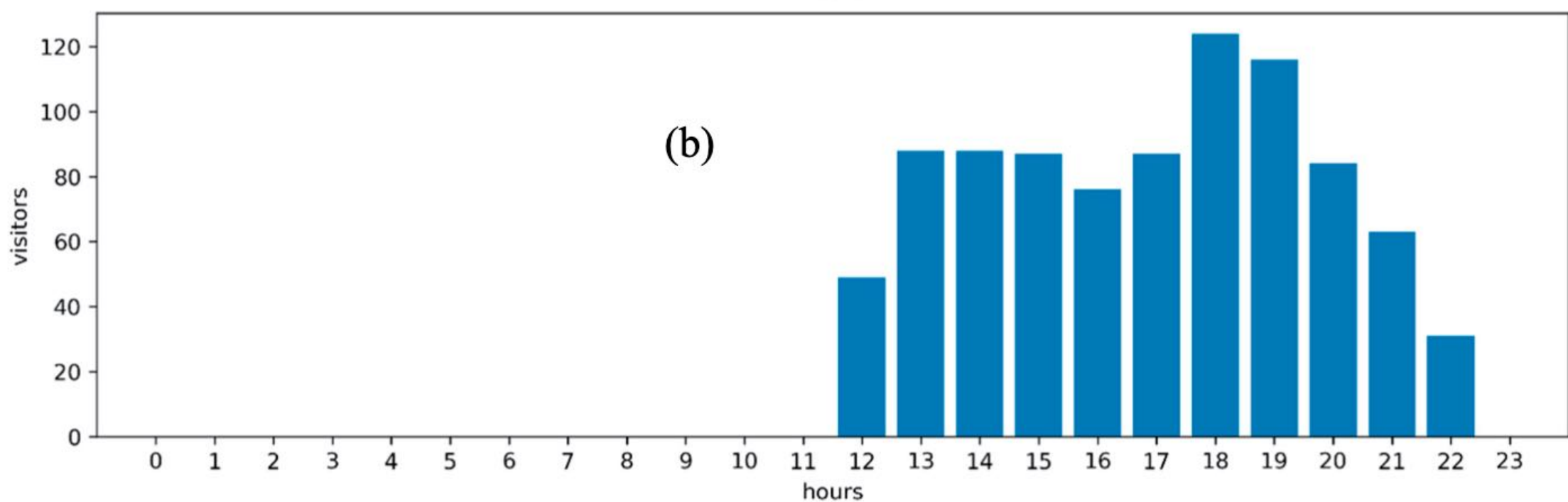
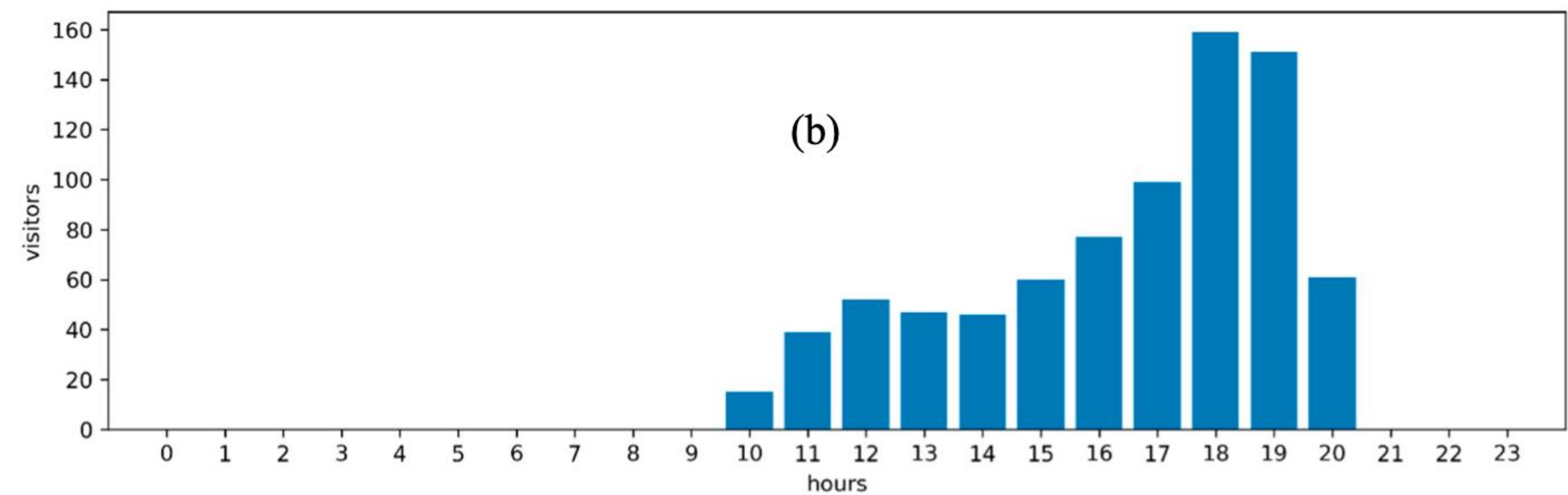
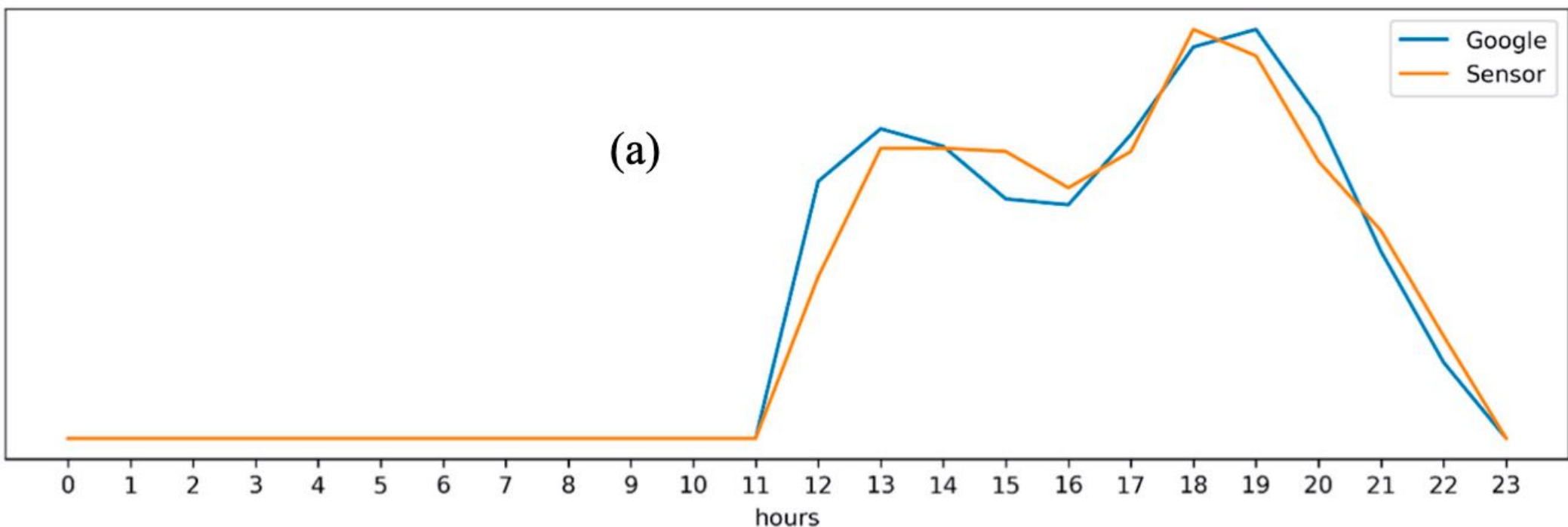
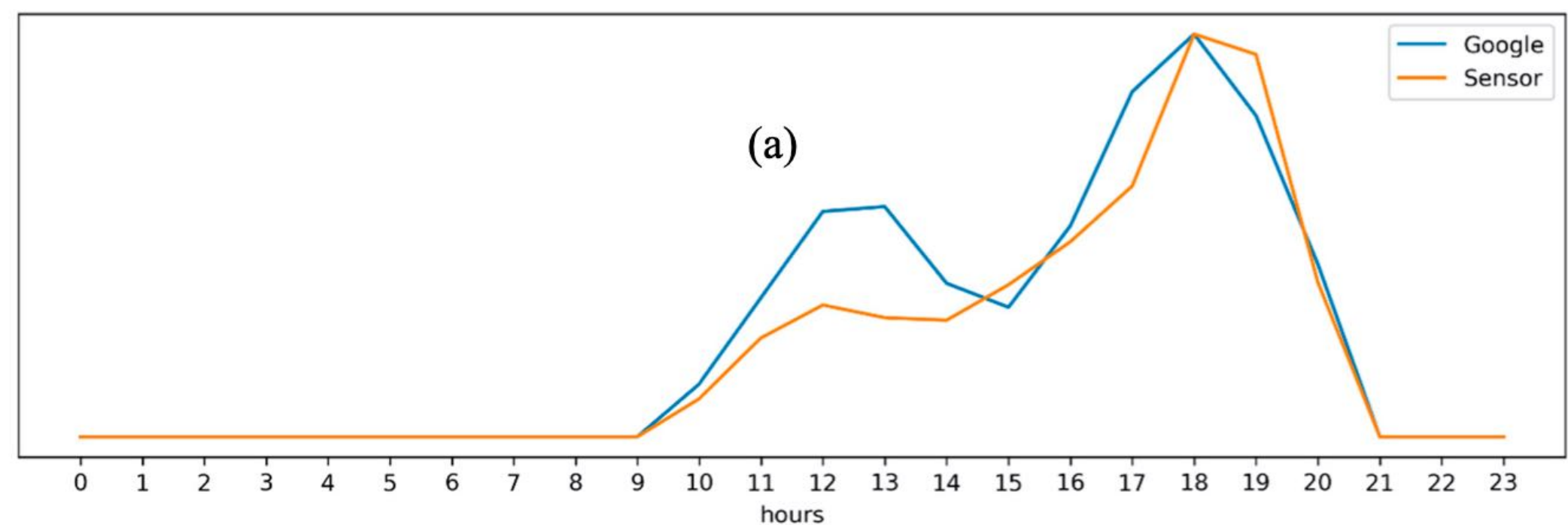
Objective: Monitor, Model and
Forecast Mobility Patterns

Insights





(Based on Google Popular Times data)



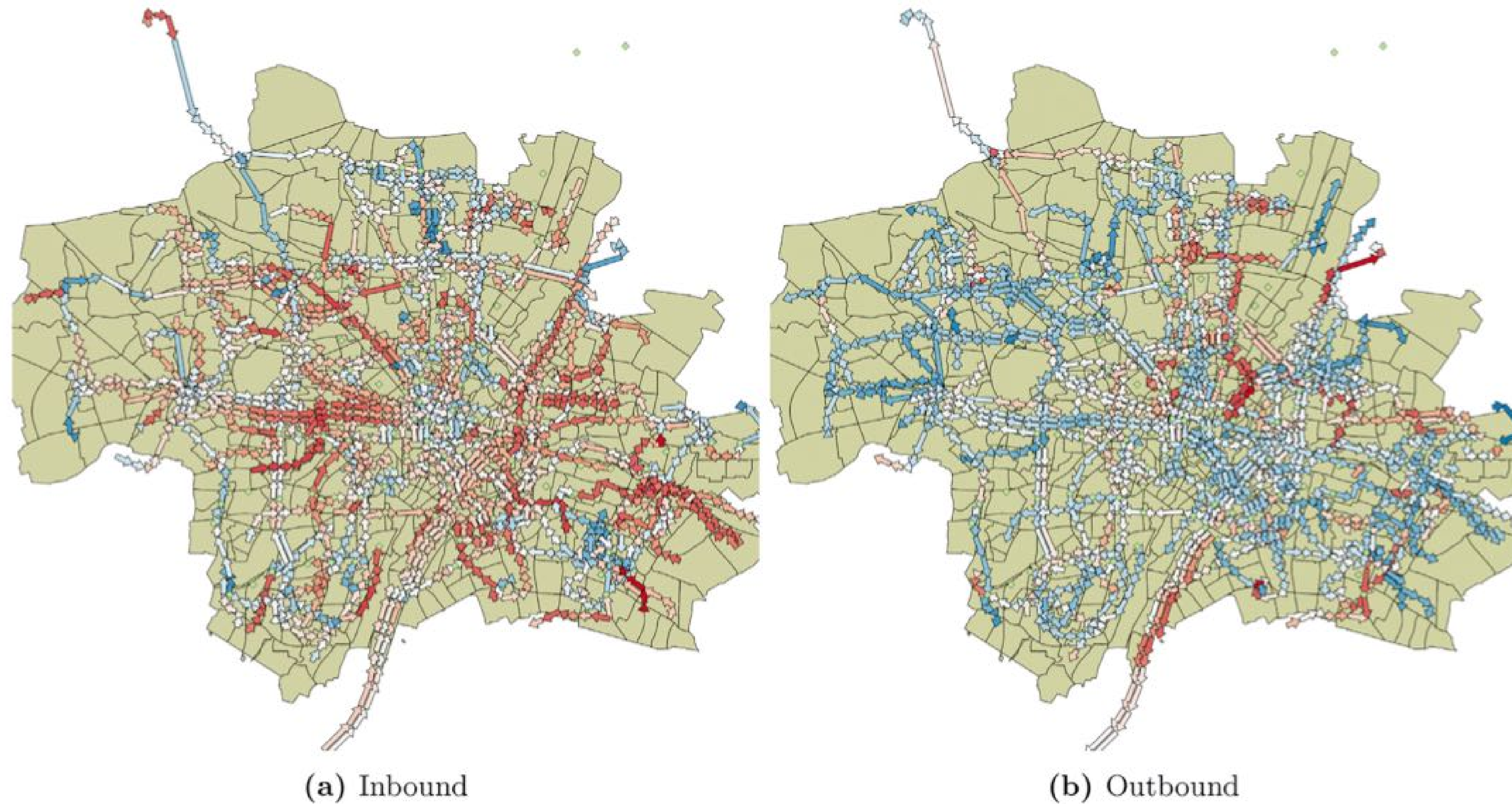


Fig. 17. Commute pattern 08:00–08:30.

(Autonomous) Mobility-on-demand



The advent of automation in Public Transport



Urban (?) Air Mobility



2020
Funding round



Lilium secures \$275 million
funding.



CityAirbus

A multi-passenger, self-piloted electric vertical take-off and landing (VTOL) demonstrator designed for urban air mobility with cost efficiency, high-volume production and a low environmental footprint in mind.

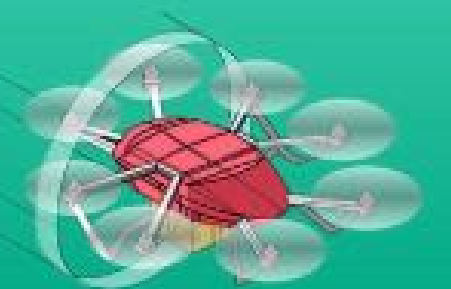
Voom

An on-demand service that allows megacity dwellers to book a helicopter on a shared basis via a mobile app.



Vahana

A single-passenger, self-piloted electric vertical take-off and landing (VTOL) aircraft being developed to open up urban airways.



Skyways

Collaboration with Airbus and the National University of Singapore to test the seamless delivery of small parcels on its campus using unmanned aircraft systems.

AIRBUS

Joby Aviation Closes \$590 Million Funding Round Led by Toyota

By [Brian Garrett-Glaser](#) | January 16, 2020

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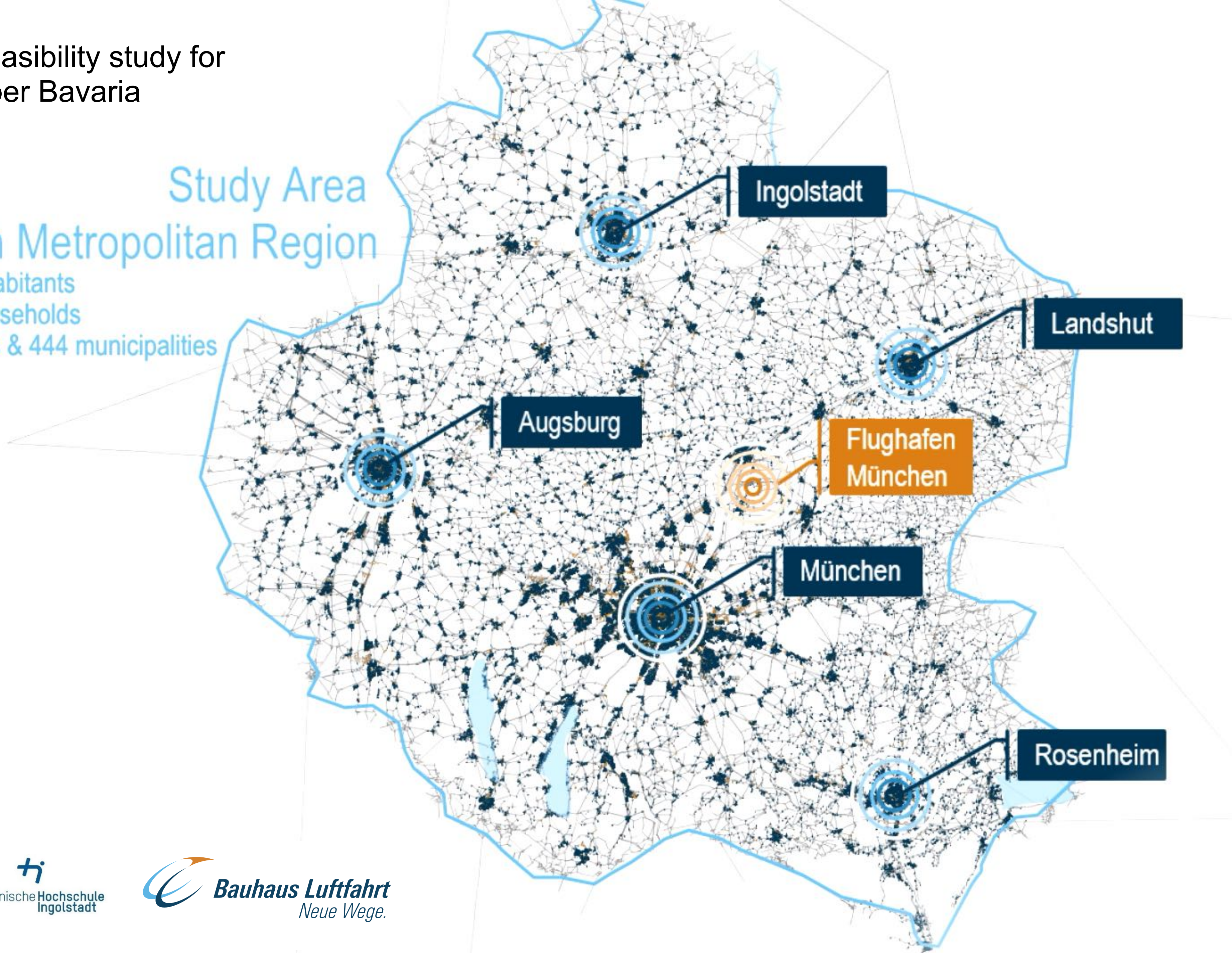


OB-UAM - Feasibility study for UAM for Upper Bavaria



Study Area Munich Metropolitan Region

4.5 mio inhabitants
2.1 mio households
5 core cities & 444 municipalities



We should not neglect low-tech solutions!



Barcelona Super-Blocks!

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