

Contents

1	Mobility Practices and Mobile Phone Data	1
1.1	How and Why Should We Interpret Mobile Practices in the Contemporary City	2
1.2	The Challenges for Analytical Tools	7
	References	9
2	Mobile Phone Data to Describe Urban Practices: An Overview in the Literature	13
2.1	About Mobile Phone Data	16
2.2	The Social Positioning Method and Its Possible Applications	18
2.3	Mobile Phone Measures and Population Distribution in Cities	20
2.4	The Classification of Urban Spaces According to Mobile Phone Uses	21
	References	24
3	Daily Mobility Practices Through Mobile Phone Data: An Application in Lombardy Region	27
3.1	Methodology: Operational Impacts of Three Types of Mobile Phone Data	28
3.2	Erlang Data: Densities of Use of the City in the Milan Urban Region	32
3.2.1	The Macro Scale: Assessing Correlation Between Population Presence and Erlang Values	34
3.2.2	The Macro Scale: Treelet Decomposition of Erlang Trends	36
3.2.3	The Micro Scale Analysis and Its Relevance	41
3.2.4	An International Event Transforming the Use of the City: The Milan International Design Week	49

- 3.3 Aggregated Tracks of Mobile Phone Users: The Experiential Dimensions of Commuting Rhythms 54
- 3.4 MSC: Monitoring Visitors and Tourists Through Mobile Phone Data 62
 - 3.4.1 Foreigners' Trends and Evidence 65
 - 3.4.2 Monitoring Visitors During a Big Event 67
- References 69

- 4 Implications for Traditional Data Sources 71**
 - References 76

- 5 Implications for Urban and Mobility Policy 77**
 - References 82

- Author Index 85**

- Subject Index 89**



<http://www.springer.com/978-3-319-14832-8>

Mapping Urban Practices Through Mobile Phone Data

Pucci, P.; Manfredini, F.; Tagliolato, P.

2015, VIII, 90 p. 33 illus., 12 illus. in color., Softcover

ISBN: 978-3-319-14832-8