

Understanding Mobility Strategies of Micromobility Users: Insights from Barcelona

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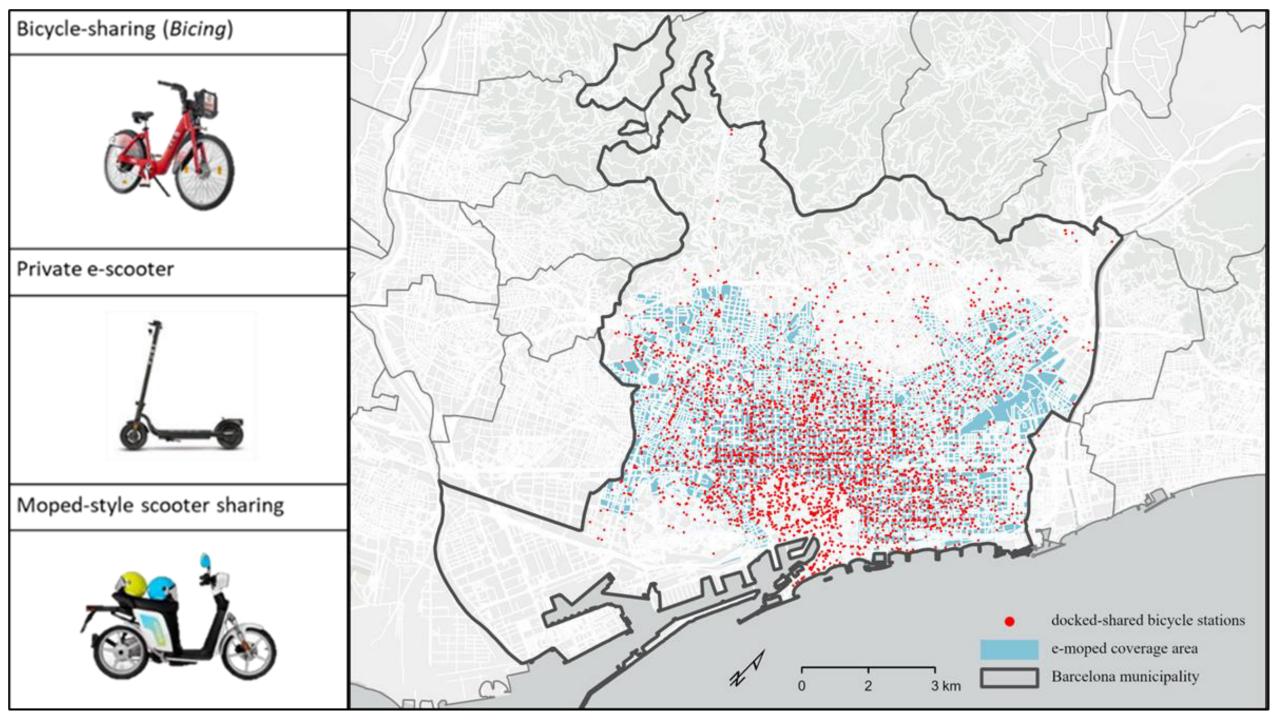
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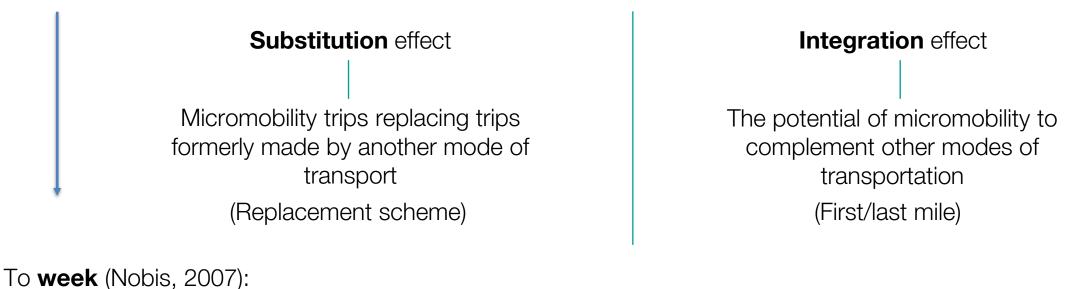


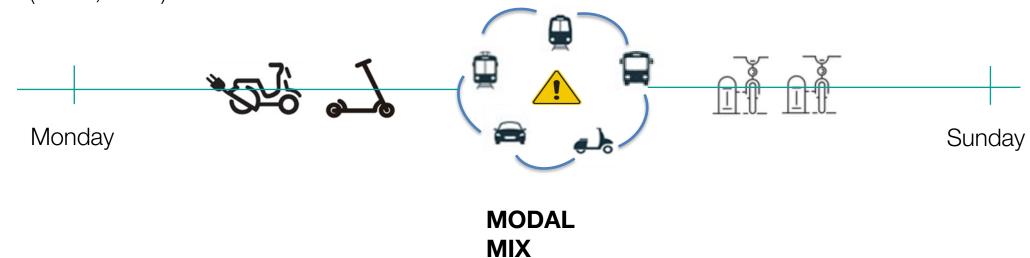




1. INTRODUCTION

From trip: The relationship between micromobility and traditional modes of transport has been studied through





(1) Which are the distinct profiles of micromobility users in Barcelona?

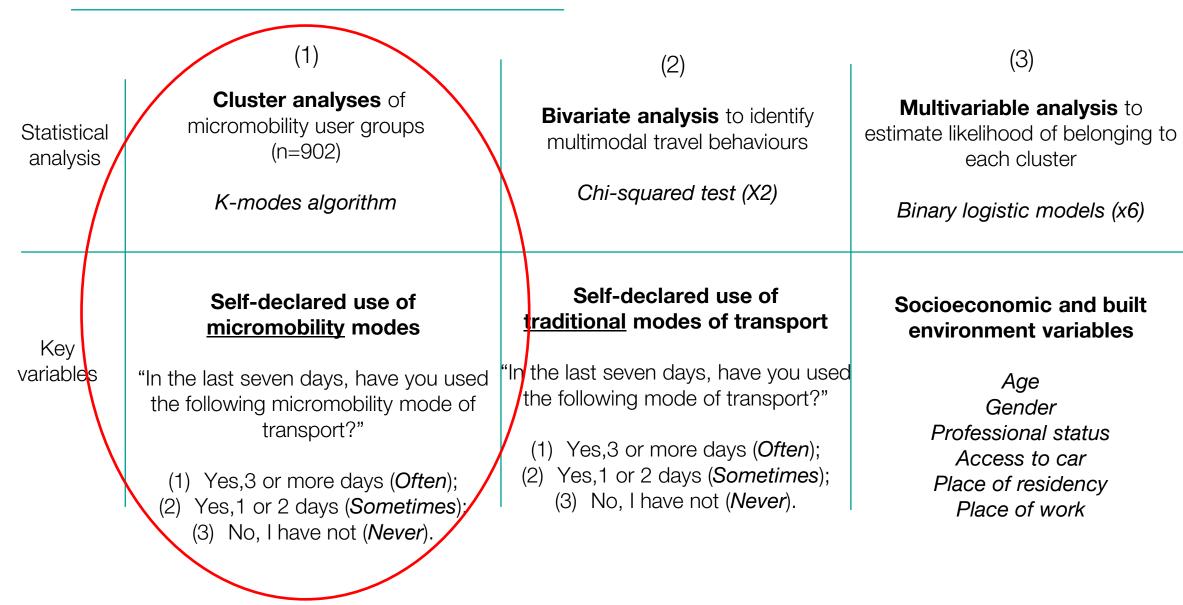
(1) How do different micromobility profiles design their modal strategies?

(1) What key factors drive the adoption of multimodal travel behaviors among micromobility users in Barcelona?

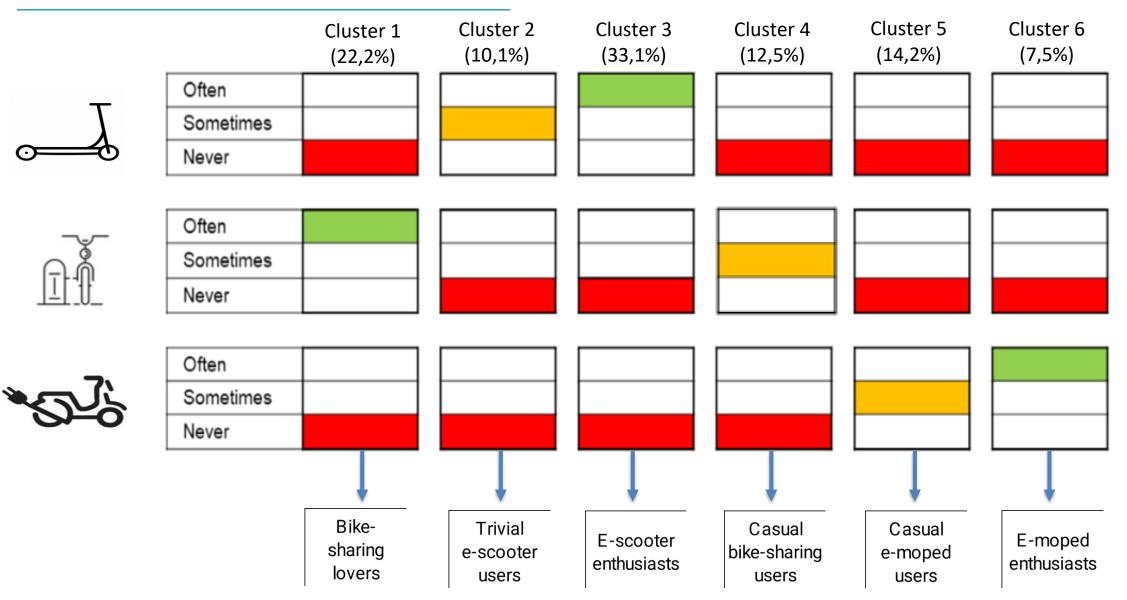
3. METHODOLOGY

	(1)	(2)	(3)
Statistical analysis	Cluster analyses of micromobility user groups (n=902)	Bivariate analysis to identify multimodal travel behaviours	Multivariable analysis to estimate likelihood of belonging to each cluster
	K-modes algorithm	Chi-squared test (X2)	Binary logistic models (x6)
Key	Self-declared use of micromobility modes	Self-declared use of traditional modes of transport	Socioeconomic and built environment variables
variables	"In the last seven days, have you used the following micromobility mode of transport?"	 "In the last seven days, have you used the following mode of transport?" (1) Yes,3 or more days (<i>Often</i>); (2) Yes,1 or 2 days (<i>Sometimes</i>); (3) No, I have not (<i>Never</i>). 	Age Gender Professional status Access to car
	 (1) Yes,3 or more days (<i>Often</i>); (2) Yes,1 or 2 days (<i>Sometimes</i>); (3) No, I have not (<i>Never</i>). 		Place of residency Place of work

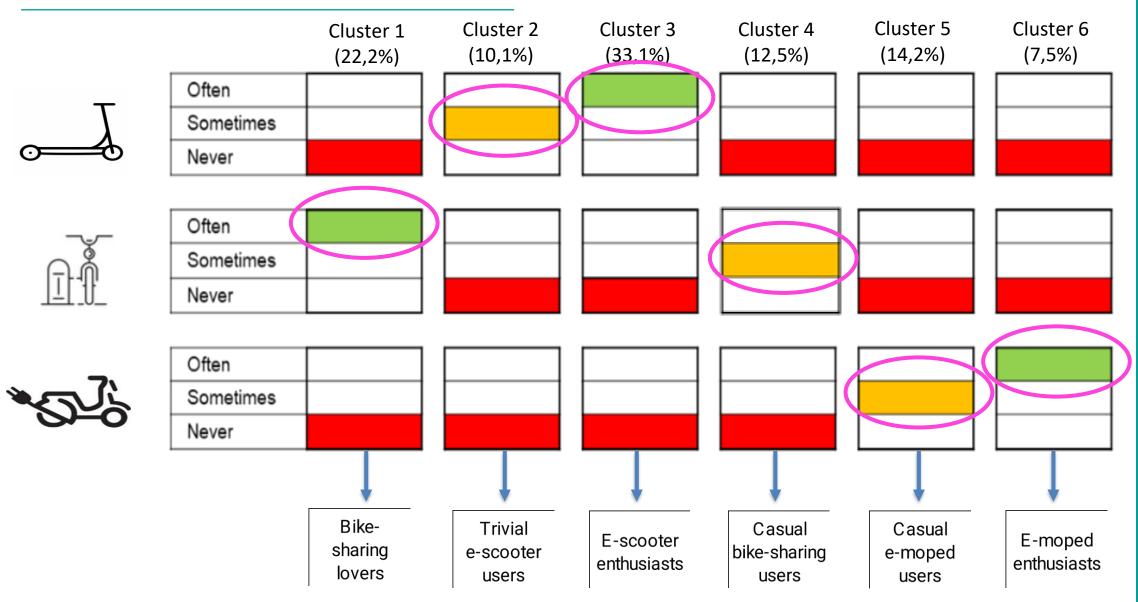
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4. RESULTS (1)



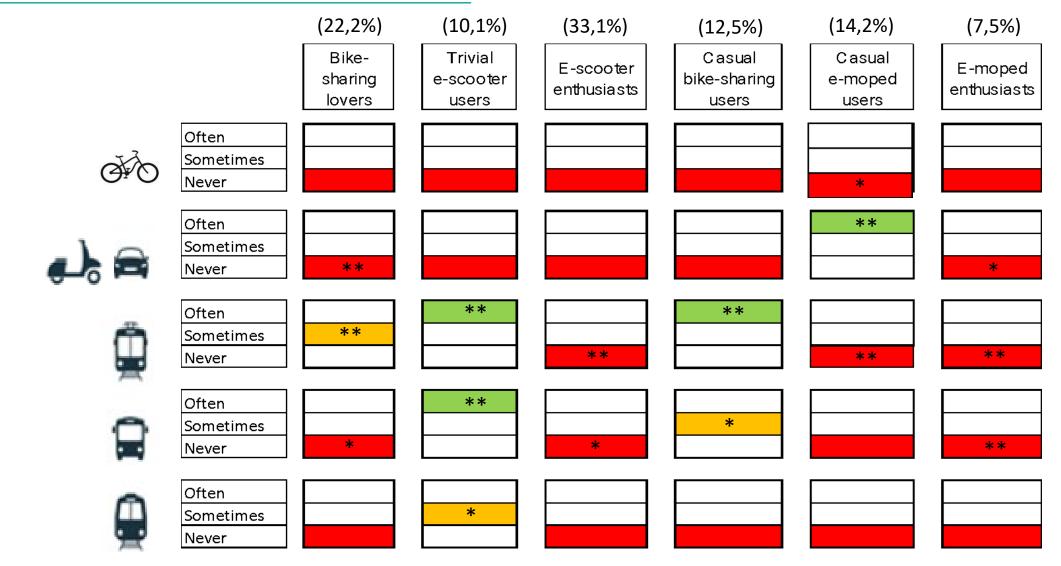
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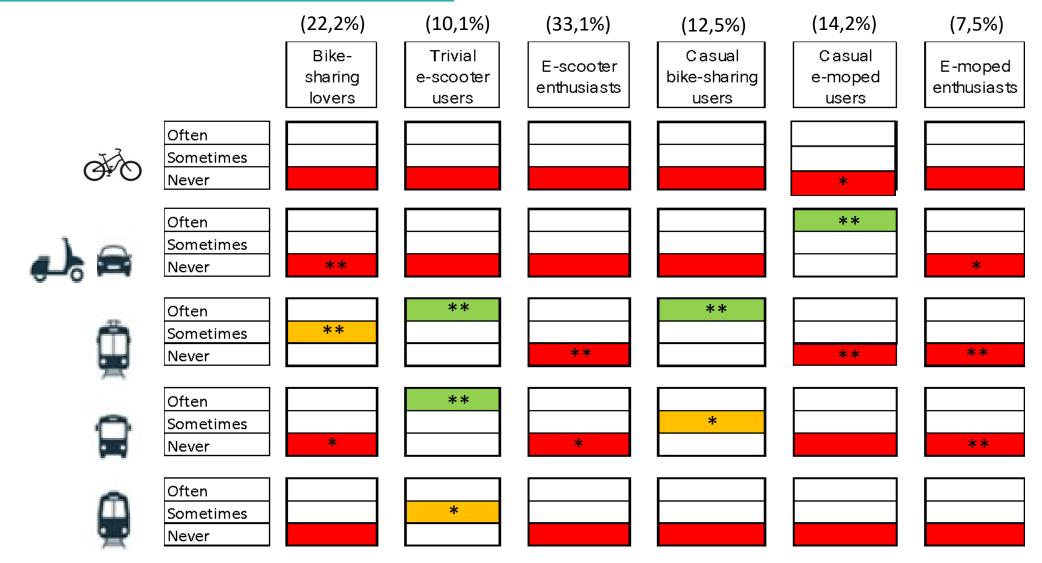
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Key variables	Self-declared use of micromobility modes "In the last seven days, have you us the following micromobility mode of transport?" (1) Yes,3 or more days (Often); (2) Yes,1 or 2 days (Sometimes) (3) No, I have not (Never).	of	Self-declared use of <u>traditional</u> modes of transport "In the last seven days, have you used the following mode of transport?" (1) Yes,3 or more days (<i>Often</i>); (2) Yes,1 or 2 days (<i>Sometimes</i>); (3) No, I have not (<i>Never</i>).		Socioeconomic and built environment variables Age Gender Professional status Access to car Place of residency Place of work

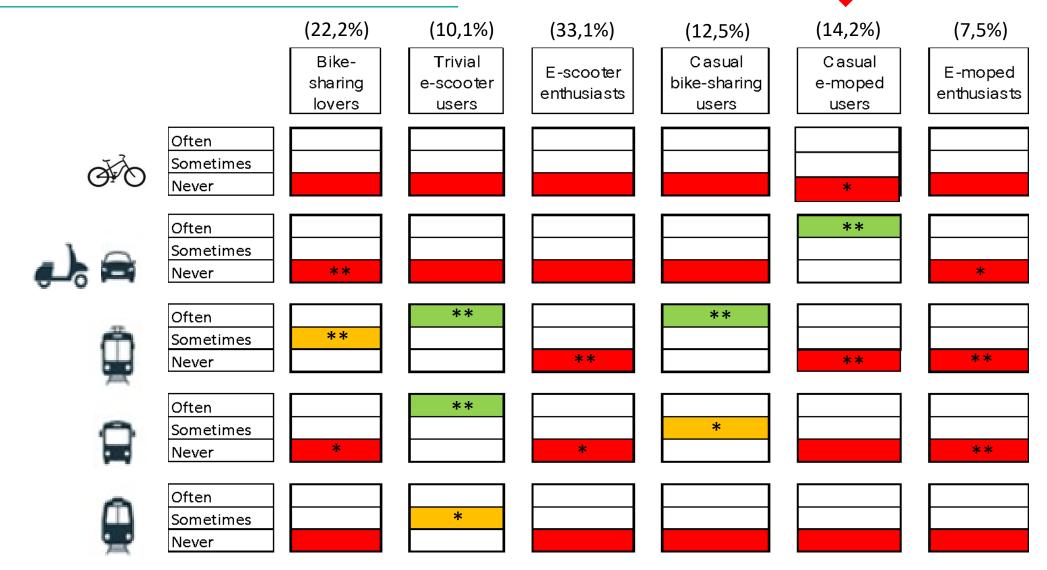




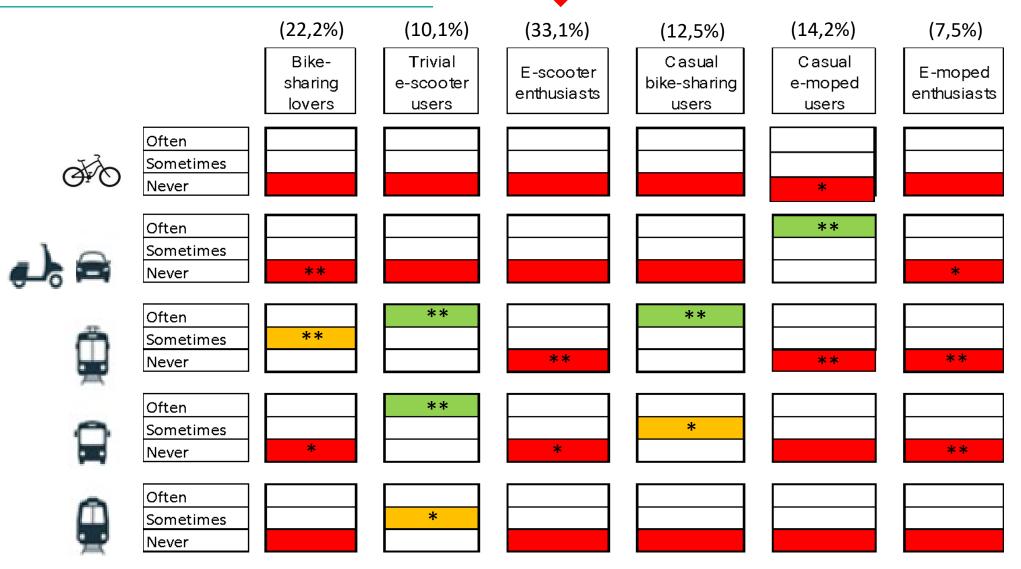




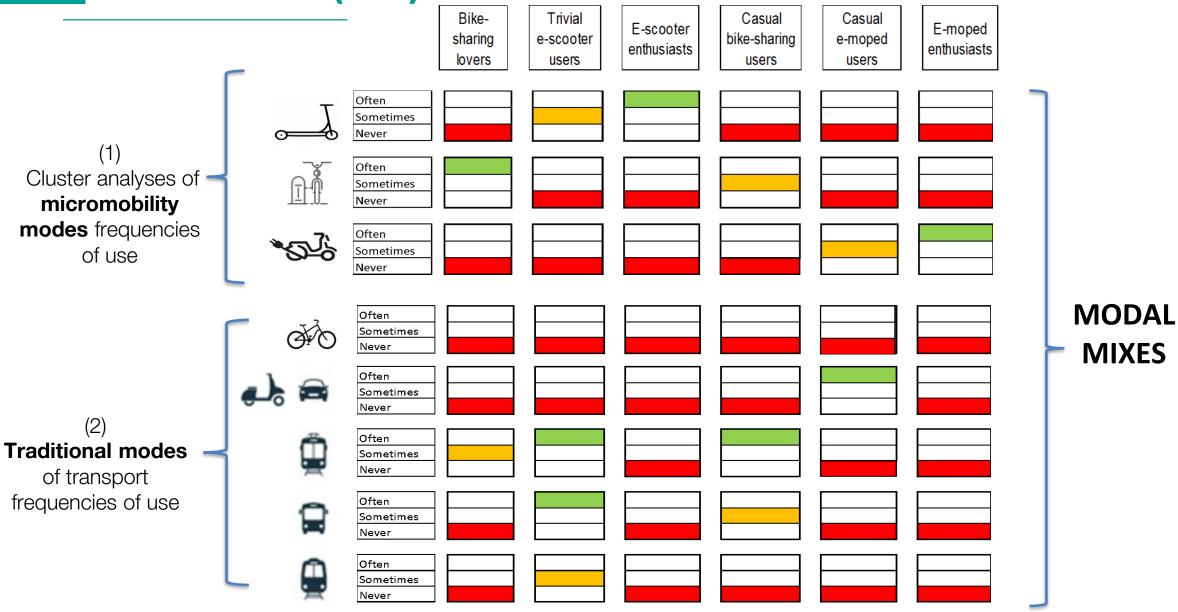




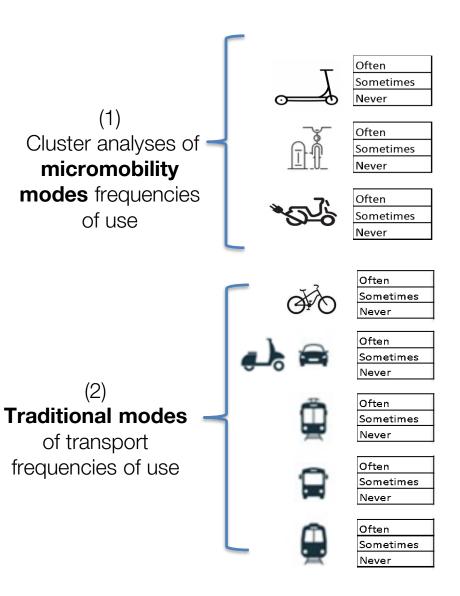


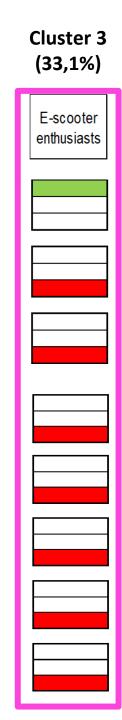


4. RESULTS (1+2)

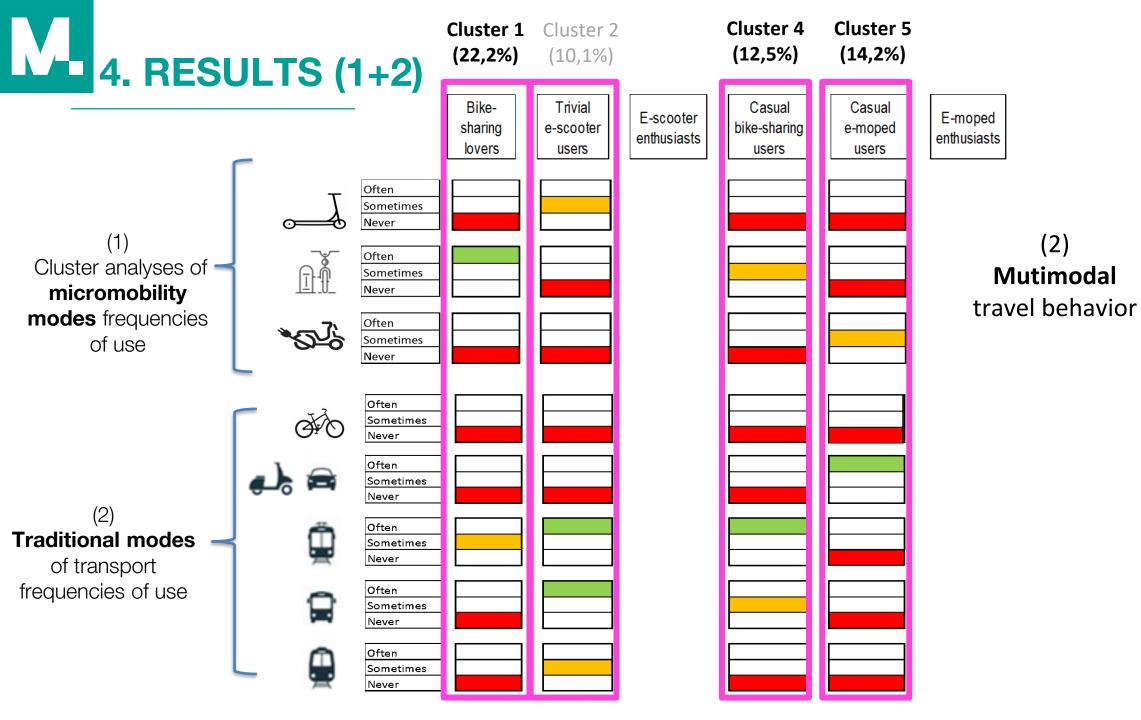


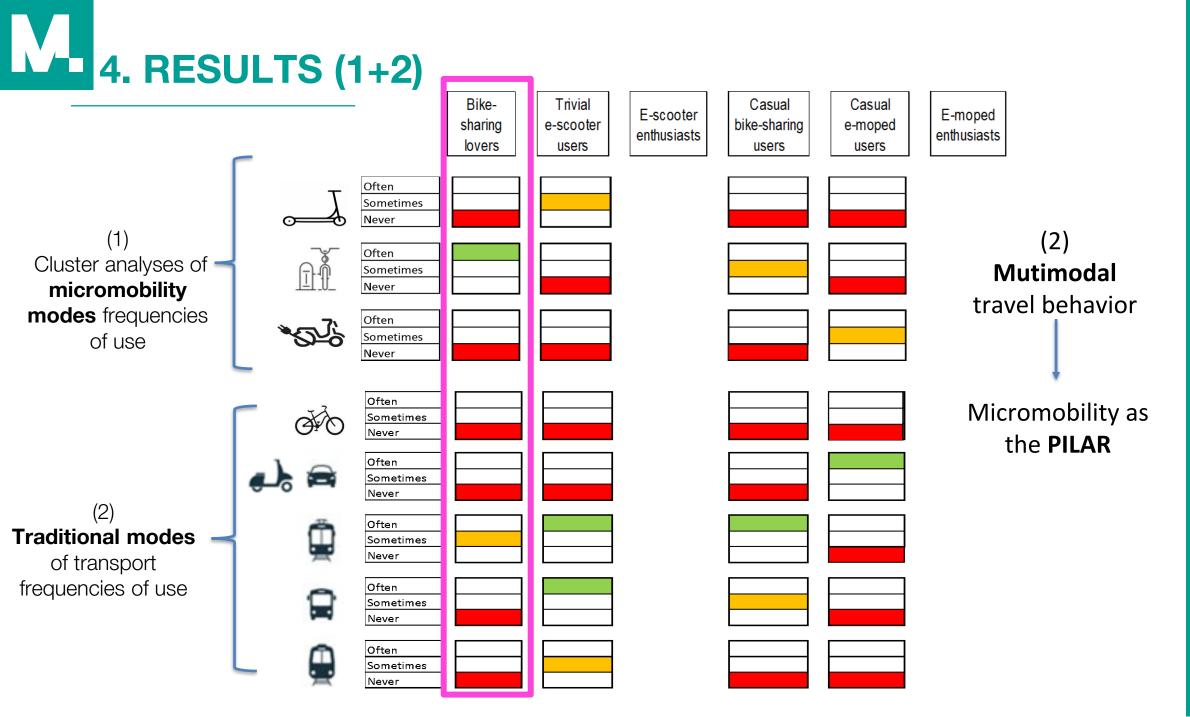
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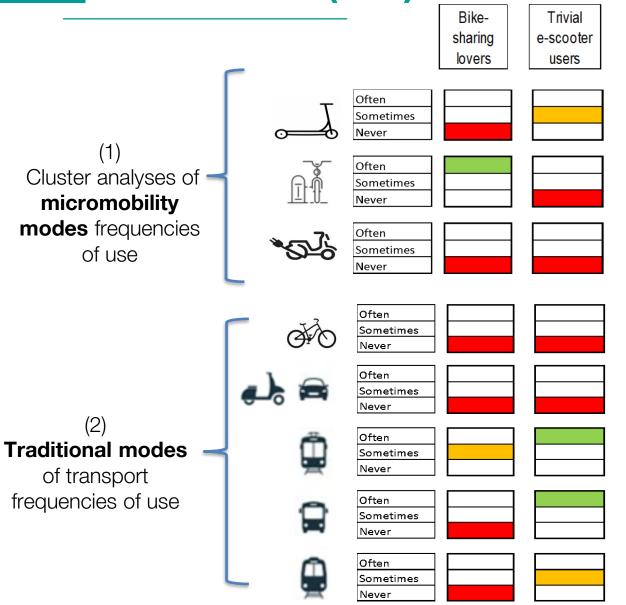


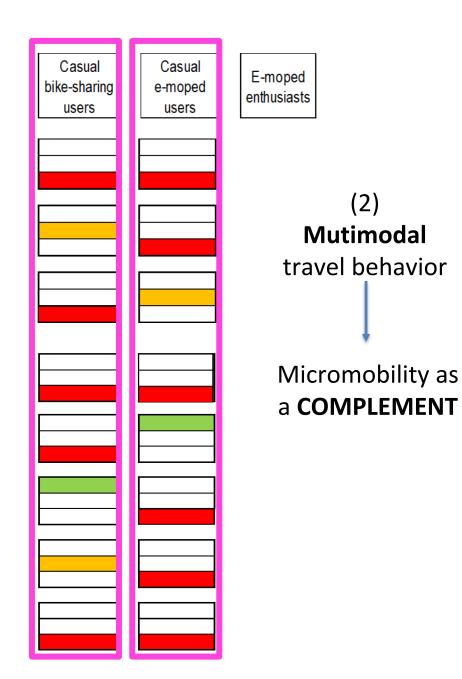
Cluster 6 (7,5%)E-moped enthusiasts (1) Monomodal travel behavior





4. RESULTS (1+2)

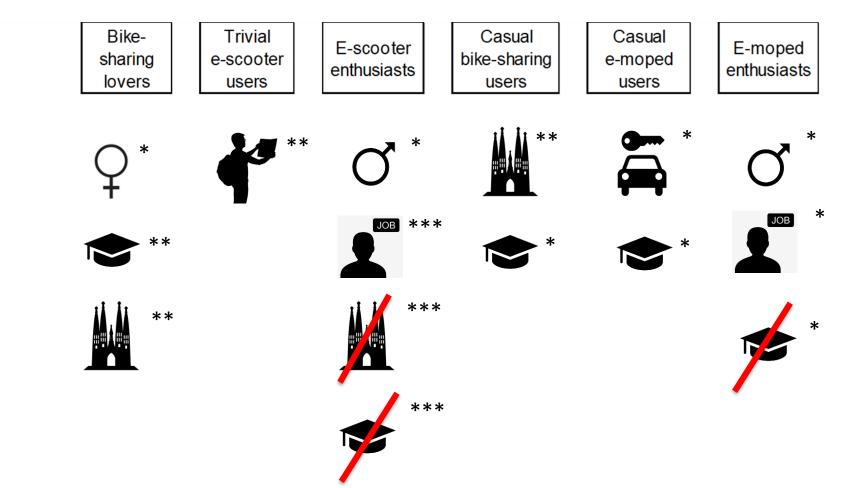




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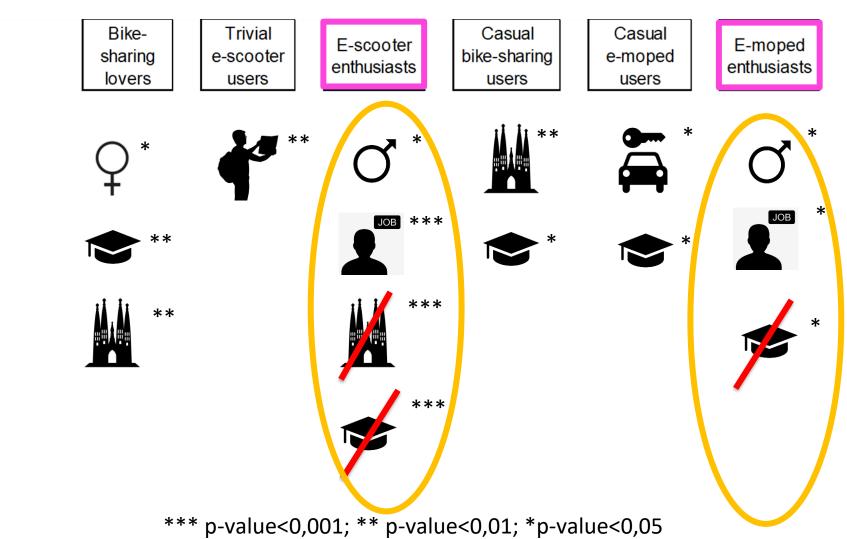
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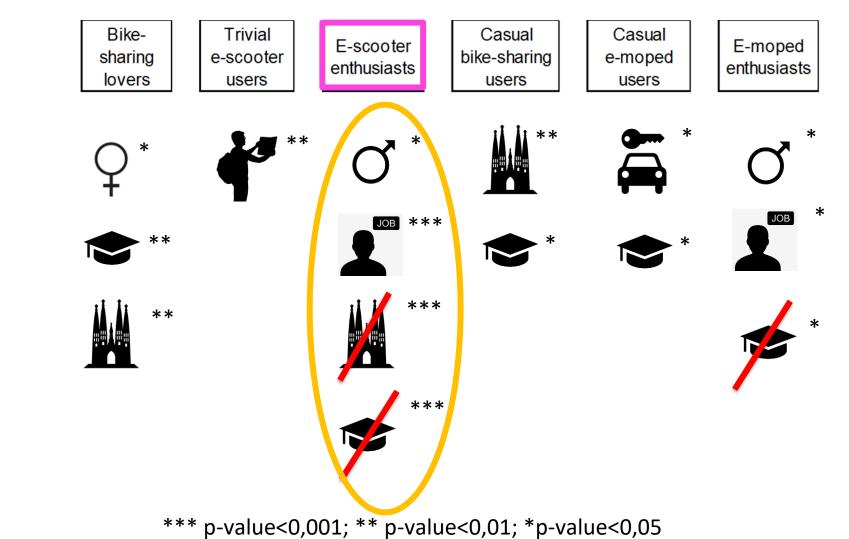


*** p-value<0,001; ** p-value<0,01; *p-value<0,05

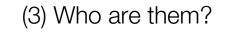


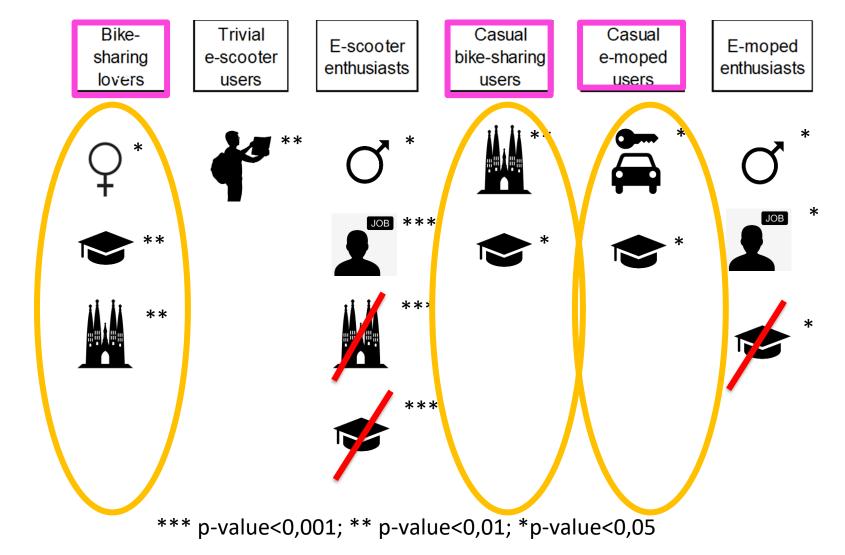




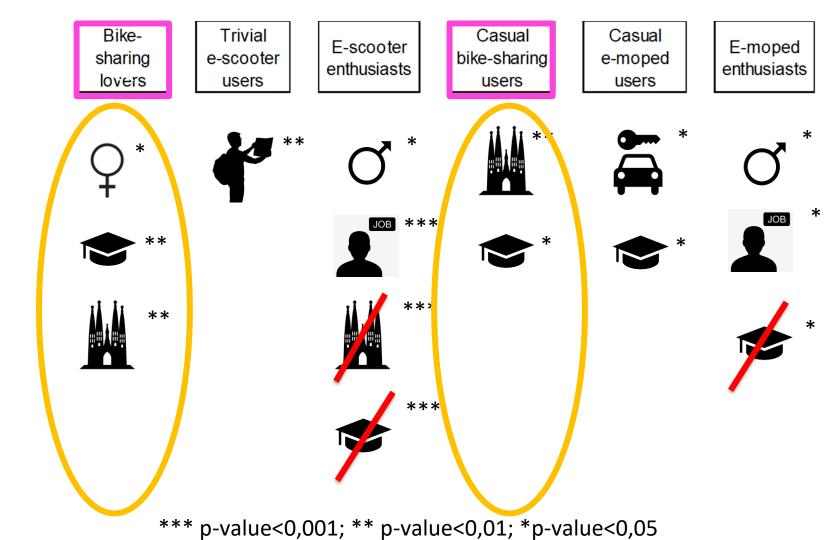




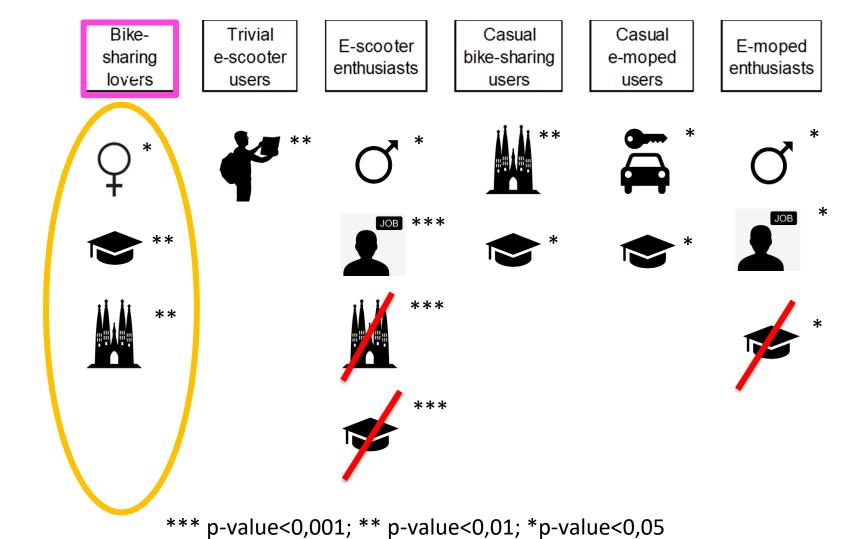




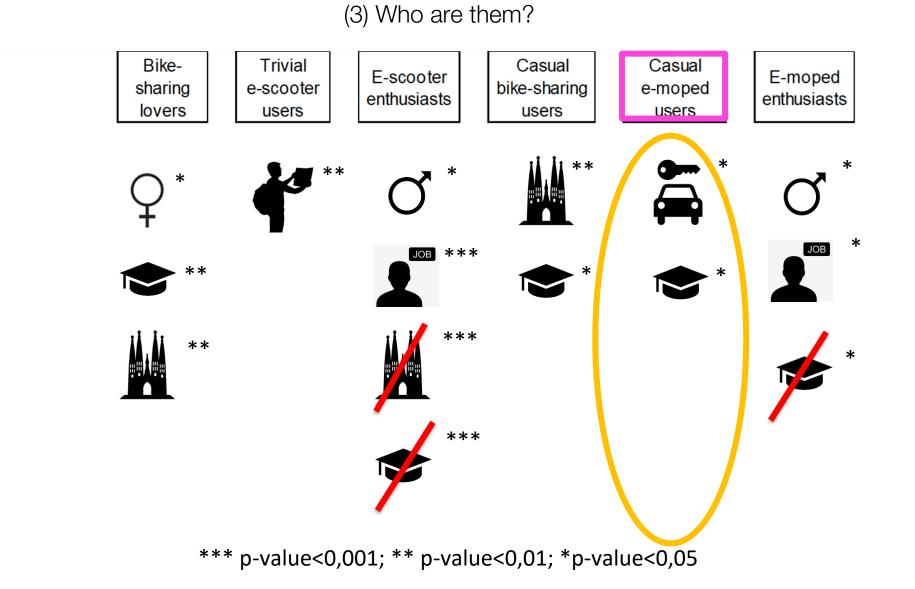












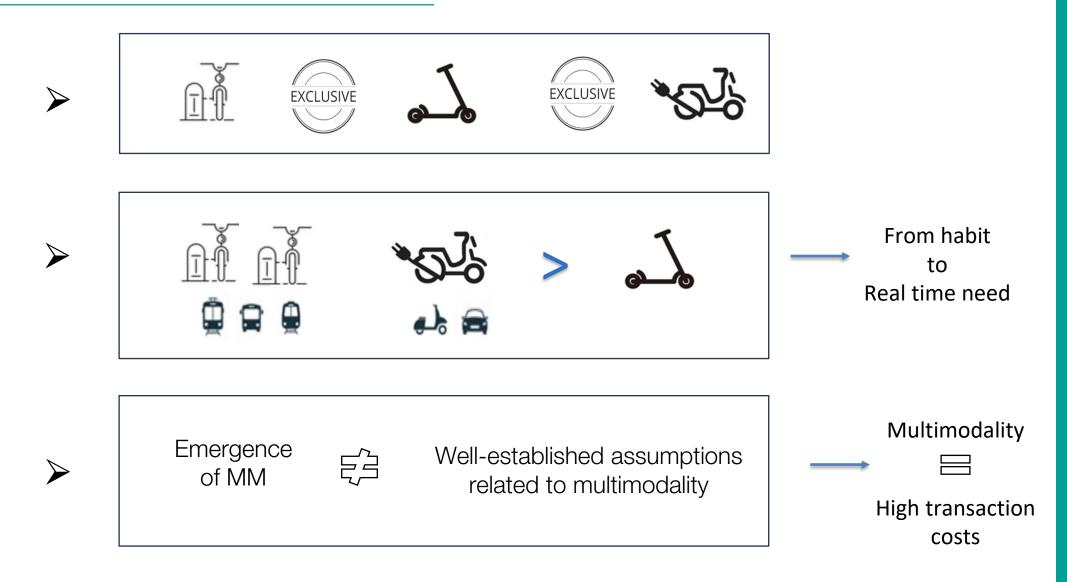














Thank you!

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