

Generació d'indicadors i coneixement a escala de barris



Àrea de Convivència i Seguretat Urbana
Institut d'Estudis Regionals i Metropolitans de
Barcelona (IERMB)

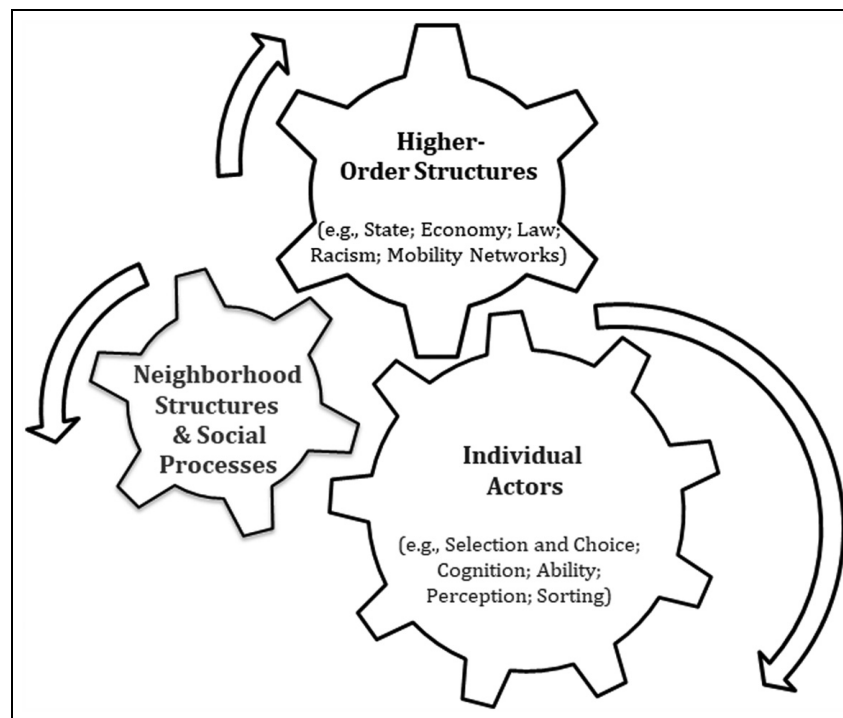
Contingut

1. L'efecte barri en la seguretat
2. Dades obertes i indicadors de barri
 1. Context comparat
 2. Context proper
3. Indicadors de seguretat a nivell de barri
 1. Delinqüència i victimització
 2. Percepció de seguretat
 3. Altres
4. Conclusions i orientacions per seguir avançant

01

L'EFECTE BARRI EN LA SEGURETAT

L'efecte del barri en la seguretat



ical conception of neighbourhood effects.

Extret de Sampson (2018: 9)

Sampson, R. J. (2018). Neighbourhood effects and beyond: Explaining the paradoxes of inequality in the changing American metropolis. *Urban Studies*, 56(1), 3-32. <https://doi.org/10.1177/0042098018795363>

02

DADES OBERTES I INDICADORS DE BARRIS

Context comparat: Anglaterra, Gal·les i Irlanda del Nord

- Portal <https://data.police.uk/> (dades geolocalitzades de delictes i actuacions policials)

Crime ID	Month	Reported by	Falls within	Longitude	Latitude	Location	LSOA code	LSOA name	Crime type	Last outcome cat	Context
4a14d4745da0a2219ecf913fdc	2023-01	City of London Police	City of London Police	-0.106220	51.518.276	On or near B500	E01000916	Camden 027B	Other theft	Under investigation	
e6e32581c99c5b0f46e5a4d63a	2023-01	City of London Police	City of London Police	-0.107000	51.521.480	On or near Saffron Street	E01000916	Camden 027B	Other crime	Under investigation	
7b7cb8e7debe8b0e1637e7cc	2023-01	City of London Police	City of London Police	-0.110350	51.518.090	On or near Holborn	E01000917	Camden 027C	Theft from the person	Investigation complete	
f7fc44e1e7632f0f575b78852	2023-01	City of London Police	City of London Police	-0.107682	51.517.786	On or near B521	E01000917	Camden 027C	Other crime	Under investigation	
8083dafd1770af1afca2320c13a	2023-01	City of London Police	City of London Police	-0.111596	51.518.281	On or near Chancery Lane	E01000914	Camden 028B	Other theft	Under investigation	
4587239a45f0e882a523fe6398	2023-01	City of London Police	City of London Police	-0.111596	51.518.281	On or near Chancery Lane	E01000914	Camden 028B	Public order	Investigation complete	
e38dc5b3060f999f836e3b853	2023-01	City of London Police	City of London Police	-0.111596	51.518.281	On or near Chancery Lane	E01000914	Camden 028B	Theft from the person	Under investigation	
d00cedd0e3658e1009ecbb94f	2023-01	City of London Police	City of London Police	-0.097290	51.521.575	On or near Fann Street	E01000001	City of London 00	Anti-social behaviour		
d00cedd0e3658e1009ecbb94f	2023-01	City of London Police	City of London Police	-0.097290	51.521.575	On or near Fann Street	E01000001	City of London 00	Burglary	Under investigation	
a5a41590ec6ad32dbd06a890	2023-01	City of London Police	City of London Police	-0.098519	51.517.332	On or near Little Britain	E01000001	City of London 00	Criminal damage and a	Investigation complete	
a6d25d2a60bc9d42a01e77c75	2023-01	City of London Police	City of London Police	-0.098519	51.517.332	On or near Little Britain	E01000001	City of London 00	Criminal damage and a	Under investigation	
17ea1b48312e0f37e10543d23	2023-01	City of London Police	City of London Police	-0.098519	51.517.332	On or near Little Britain	E01000001	City of London 00	Criminal damage and a	Under investigation	
a4c9d826adfd34c36bbe582	2023-01	City of London Police	City of London Police	-0.096718	51.515.511	On or near	E01000001	City of London 00	Drugs	Under investigation	
bb44a3100c83a5ac6a4dd3c27	2023-01	City of London Police	City of London Police	-0.096718	51.515.511	On or near	E01000001	City of London 00	Drugs	Under investigation	
18690d6f503370a571f6eb8b27	2023-01	City of London Police	City of London Police	-0.098519	51.517.332	On or near Little Britain	E01000001	City of London 00	Other theft	Investigation complete	
0d0a1289bebada9c598725891	2023-01	City of London Police	City of London Police	-0.096718	51.515.511	On or near	E01000001	City of London 00	Other theft	Under investigation	
8f09db1867eed5b63717c277f	2023-01	City of London Police	City of London Police	-0.097245	51.515.387	On or near St Martin's Le Gra	E01000001	City of London 00	Other theft	Investigation complete	
01c3caafa210e3a873a8e6757e	2023-01	City of London Police	City of London Police	-0.098519	51.517.332	On or near Little Britain	E01000001	City of London 00	Public order	Investigation complete	
d4ae16e37875bc350035787e9	2023-01	City of London Police	City of London Police	-0.097562	51.518.864	On or near	E01000001	City of London 00	Public order	Under investigation	
45cde81227df6f205f723e4f0f5	2023-01	City of London Police	City of London Police	-0.097144	51.515.062	On or near St Paul's	E01000001	City of London 00	Shoplifting	Under investigation	
119b2fab59a3e70ab37b30080	2023-01	City of London Police	City of London Police	-0.097245	51.515.387	On or near St Martin's Le Gra	E01000001	City of London 00	Shoplifting	Investigation complete	
c4e109383305ce8c416458b8a4	2023-01	City of London Police	City of London Police	-0.097103	51.518.461	On or near Aldersgate Street	E01000001	City of London 00	Vehicle crime	Under investigation	
52a99f4116aba0f4f180a4a6b1	2023-01	City of London Police	City of London Police	-0.097103	51.518.461	On or near Aldersgate Street	E01000001	City of London 00	Vehicle crime	Under investigation	
3d531c6de0595be429dfc6656	2023-01	City of London Police	City of London Police	-0.097078	51.519.045	On or near A1	E01000001	City of London 00	Violence and sexual of	Under investigation	
	2023-01	City of London Police	City of London Police	-0.090553	51.518.948	On or near Moor Lane	E01000002	City of London 00	Anti-social behaviour		
	2023-01	City of London Police	City of London Police	-0.094655	51.517.369	On or near	E01000002	City of London 00	Anti-social behaviour		
	2023-01	City of London Police	City of London Police	-0.091498	51.520.483	On or near	E01000002	City of London 00	Anti-social behaviour		
62b0f525fc471c062463ec8746	2023-01	City of London Police	City of London Police	-0.091649	51.518.938	On or near	E01000002	City of London 00	Bicycle theft	Under investigation	
923d64945a65b9f38cf3e6c612	2023-01	City of London Police	City of London Police	-0.090105	51.520.001	On or near Milton Court	E01000002	City of London 00	Drugs	Under investigation	
5dbd5f5cfce862a5cddca74e1	2023-01	City of London Police	City of London Police	-0.091498	51.520.483	On or near	E01000002	City of London 00	Drugs	Under investigation	
d29ee417d40f3efdb2b664347	2023-01	City of London Police	City of London Police	-0.091498	51.520.483	On or near	E01000002	City of London 00	Drugs	Under investigation	
1b63e48f759ebe2cc4a9d1a85c	2023-01	City of London Police	City of London Police	-0.094130	51.519.961	On or near	E01000002	City of London 00	Other theft	Under investigation	
13fe53504ea5a36dc291759cc	2023-01	City of London Police	City of London Police	-0.092488	51.520.598	On or near Silk Street	E01000002	City of London 00	Other theft	Under investigation	
ddcc6419cd8b54dcd40cf3efef	2023-01	City of London Police	City of London Police	-0.092488	51.520.598	On or near Silk Street	E01000002	City of London 00	Other theft	Under investigation	
f00987b6ac7963f63e19383d9f	2023-01	City of London Police	City of London Police	-0.090553	51.518.948	On or near Moor Lane	E01000002	City of London 00	Other theft	Investigation complete	

Context comparat: Estats Units d'Àmerica

- Portal dades obertes Nova York (dades geolocalitzades de delictes i actuacions policials):

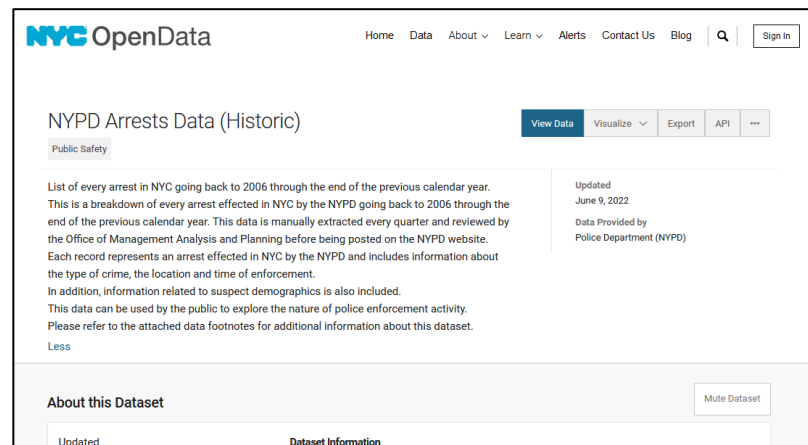
<https://opendata.cityofnewyork.us/>

Stop, Question and Frisk Data

Data records from the NYPD Stop, Question, and Frisk database are available for download from the links provided below. Data is made available in CSV format. Data for the years 2003 through 2014 are provided in separate zip archives.

- [2021 Excel file](#)
- [2020 Excel file](#)
- [2019 Excel file](#)
- [2018 Excel file](#)
- [2017 Excel file](#)
- [2016 CSV file](#)
- [2015 CSV file](#)
- [2014 CSV zip archive](#)
- [2013 CSV zip archive](#)
- [2012 CSV zip archive](#)
- [2011 CSV zip archive](#)
- [2010 CSV zip archive](#)
- [2009 CSV zip archive](#)
- [2008 CSV zip archive](#)
- [2007 CSV zip archive](#)
- [2006 CSV zip archive](#)
- [2005 CSV zip archive](#)
- [2004 CSV zip archive](#)
- [2003 CSV zip archive](#)

Record layouts and code books for each year's data are recorded in separate Excel spreadsheet format files. The most recent year's spreadsheet, as well as a zip archive containing all years' spreadsheets, are downloadable via the links below. The documentation archive may also contain statistical notes for the databases in text file format.



NYC OpenData Home Data About Learn Alerts Contact Us Blog Sign In

NYPD Arrests Data (Historic)

Public Safety

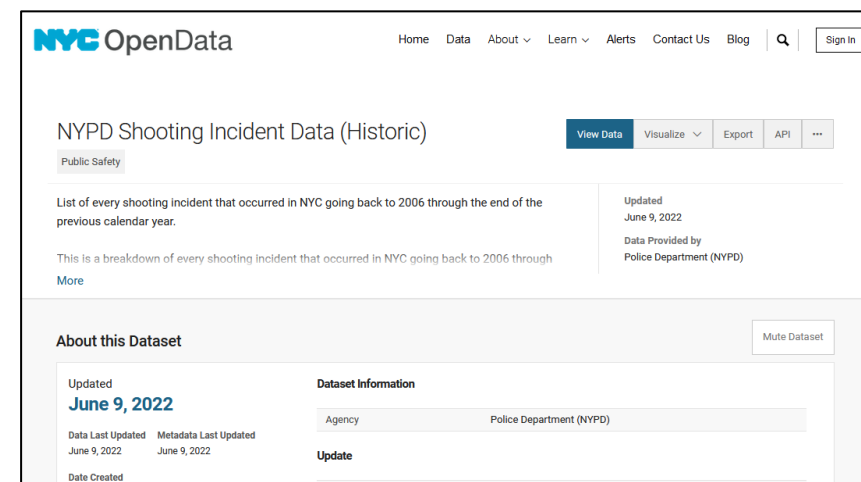
View Data Visualize Export API ...

List of every arrest in NYC going back to 2006 through the end of the previous calendar year. This is a breakdown of every arrest effected in NYC by the NYPD going back to 2006 through the end of the previous calendar year. This data is manually extracted every quarter and reviewed by the Office of Management Analysis and Planning before being posted on the NYPD website. Each record represents an arrest effected in NYC by the NYPD and includes information about the type of crime, the location and time of enforcement. In addition, information related to suspect demographics is also included. This data can be used by the public to explore the nature of police enforcement activity. Please refer to the attached data footnotes for additional information about this dataset.

Updated June 9, 2022
Data Provided by Police Department (NYPD)

About this Dataset Mute Dataset

Updated Dataset Information



NYC OpenData Home Data About Learn Alerts Contact Us Blog Sign In

NYPD Shooting Incident Data (Historic)

Public Safety

View Data Visualize Export API ...

List of every shooting incident that occurred in NYC going back to 2006 through the end of the previous calendar year. This is a breakdown of every shooting incident that occurred in NYC going back to 2006 through the end of the previous calendar year. More

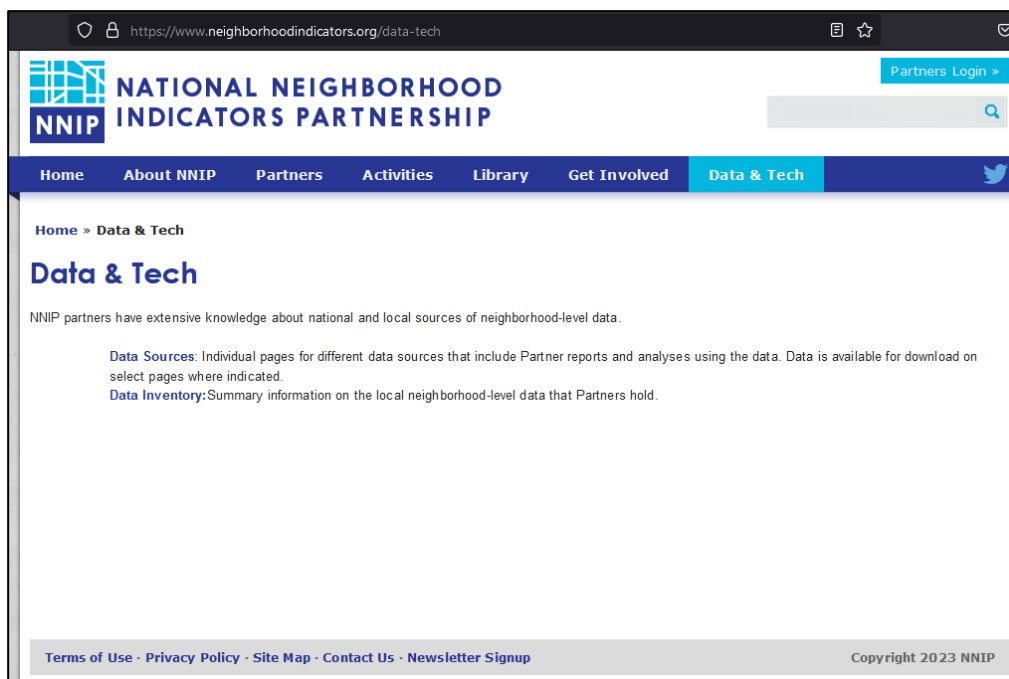
Updated June 9, 2022
Data Provided by Police Department (NYPD)

About this Dataset Mute Dataset

Updated		Dataset Information	
June 9, 2022		Agency	Police Department (NYPD)
Data Last Updated	Metadata Last Updated	Update	
June 9, 2022	June 9, 2022		
Date Created			

Context comparat: Estats Units d'Àmerica (II)

- *National Neighborhood Indicators Partnership*
(agregades barris):
<https://www.neighborhoodindicators.org/>



- *Project on Human Development in Chicago Neighborhoods:*
<https://www.icpsr.umich.edu/web/NACJD/studies/2766/datadocumentation>

Project on Human Development in Chicago Neighborhoods: Community Survey, 1994-1995 (ICPSR 2766)

Version Date: Oct 29, 2007 [Cite this study](#) | [Share this page](#)

Principal Investigator(s):
[Felton J. Earls](#), Harvard Medical School; [Jeanne Brooks-Gunn](#), Scientific Director, Columbia University, Teacher's College, Center for the Study of Children and Families; [Stephen W. Raudenbush](#), Scientific Director, University of Michigan, School of Education and Survey Research Center; [Robert J. Sampson](#), Scientific Director, Harvard University, Department of Sociology

Series:

- [Project on Human Development in Chicago Neighborhoods \(PHDCN\) Series](#)

<https://doi.org/10.3886/ICPSR02766.v3>

Version V3

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At A Glance **Data & Documentation** Variables Data-related Publications Export Metadata

535 Downloads * [Usage Report](#)

306 Data-related Publications

* post three years

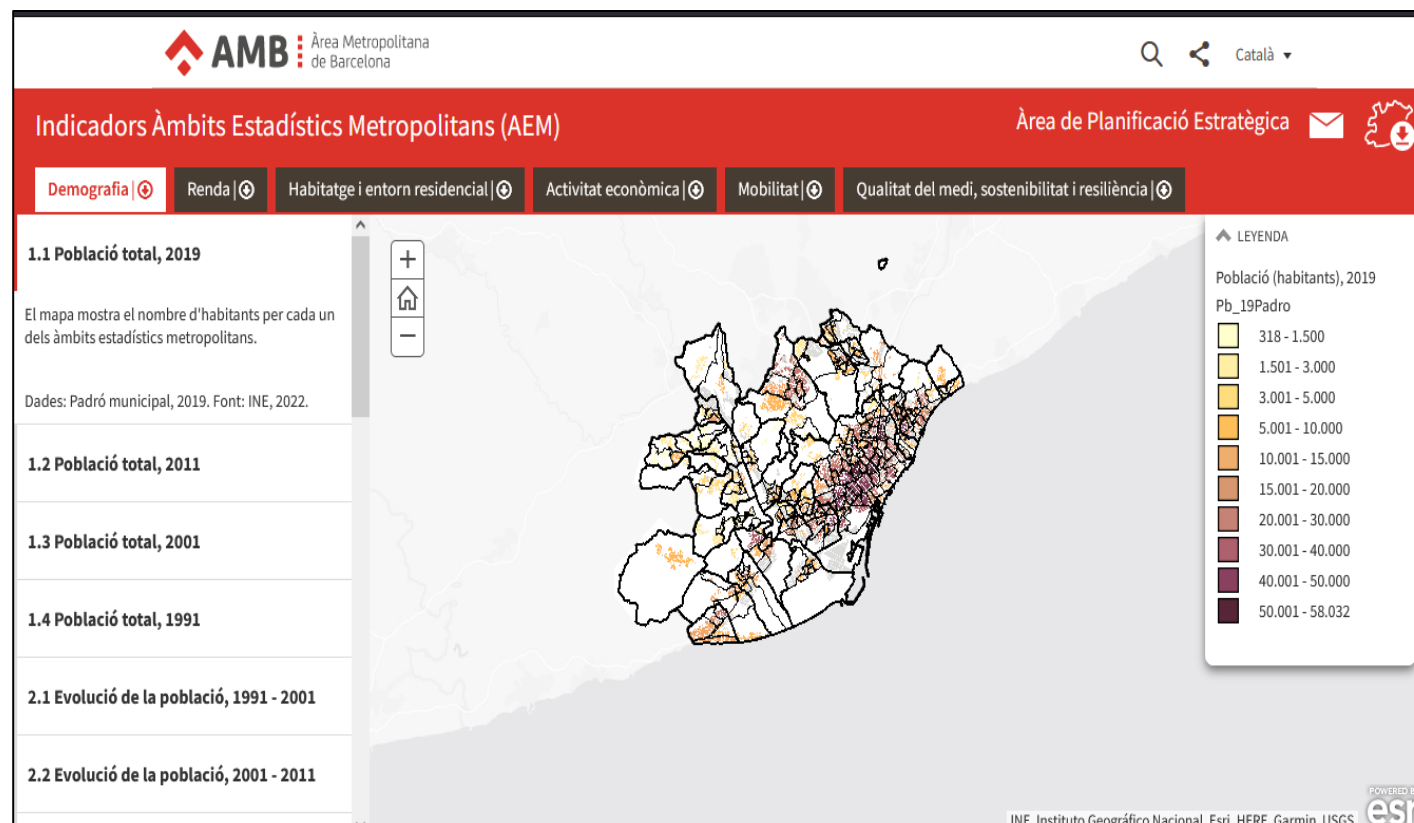
Name	Size	Preview	Download
DS0 Study-Level Files	2 MB		
DS1 Individual-Level Data	2 MB		

Notes

- The public-use data files in this collection are available for access by the general public. Access

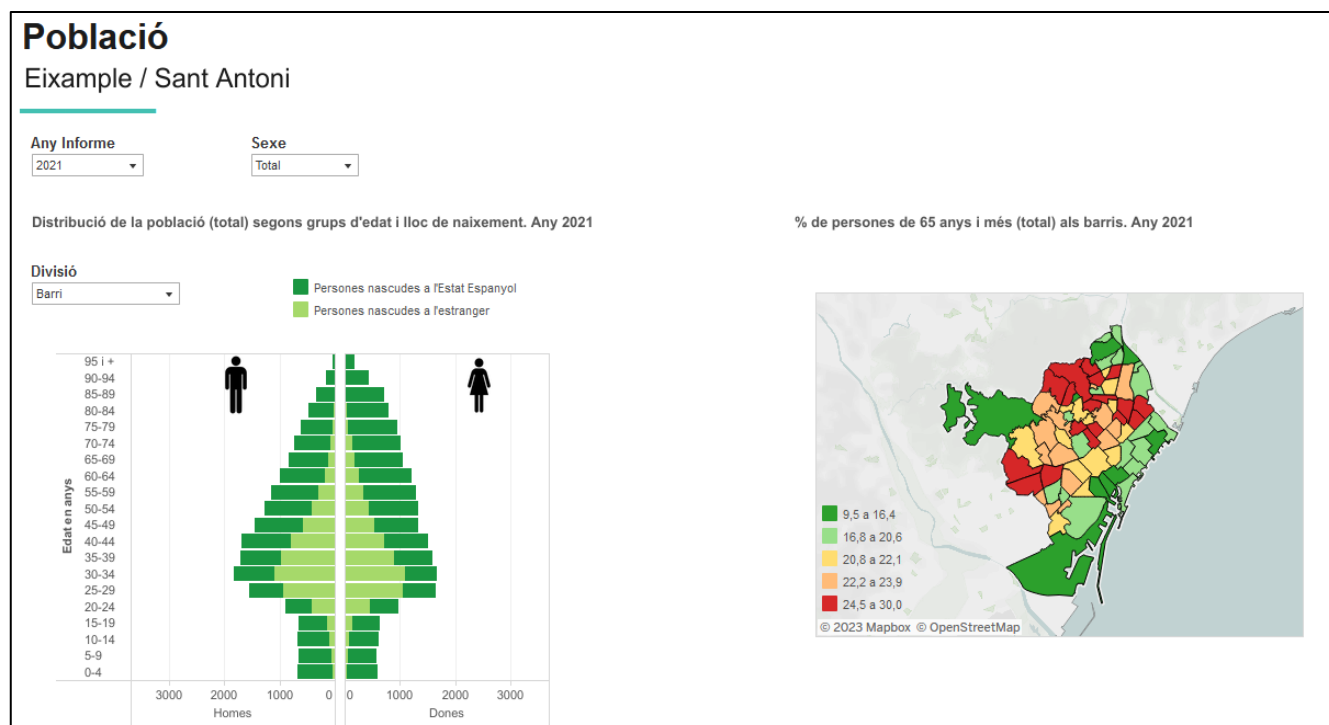
Context proper: AMB

- Portal Indicadors Àmbits Estadístics Metropolitans (AMB): <https://ide.amb.cat/ambits-estadistics-metropolitans/>



Context proper: Barcelona

- Infobarris (Àgencia Salut Pública Barcelona): <https://www.aspb.cat/docs/infobarris/ques.html>



Context proper: Ajuntaments

- Portal estadística de l'Ajuntament de Barcelona:
https://ajuntament.barcelona.cat/estadistica/catala/Estadistiques_per_territori/Barris/index.htm
- Portal dades obertes de l'Ajuntament de L'Hospitalet de Llobregat: <https://opendata.l-h.cat/browse?category=Seguretat>
- Portal dades obertes de l'Ajuntament de Sant Boi de Llobregat:
<https://dadesobertes.santboi.cat/>
- Anuaris estadístics de l'Ajuntament de Santa Coloma de Gramenet:
https://www.gramenet.cat/fileadmin/Files/Ajuntament/anuari_estadistic/Any_2021.pdf

03

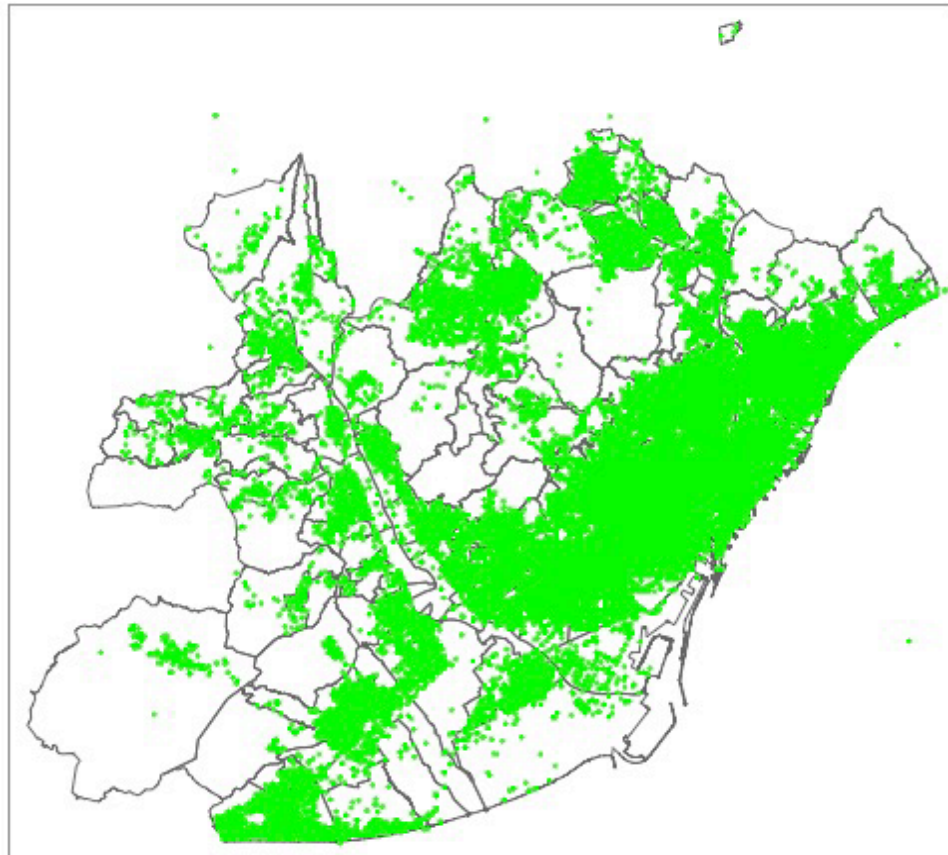
INDICADORS DE SEGURETAT A NIVELL DE BARRI

3.1.

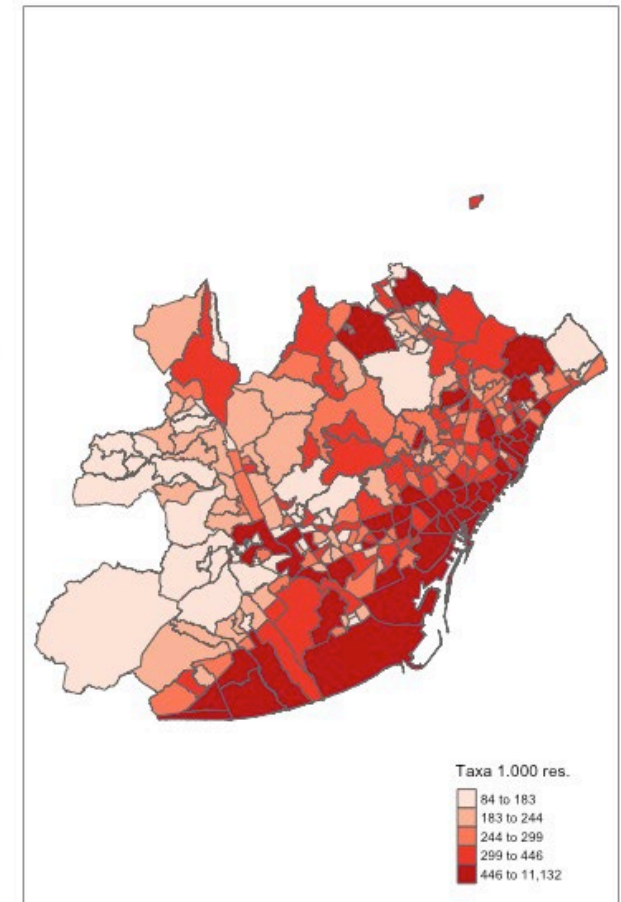
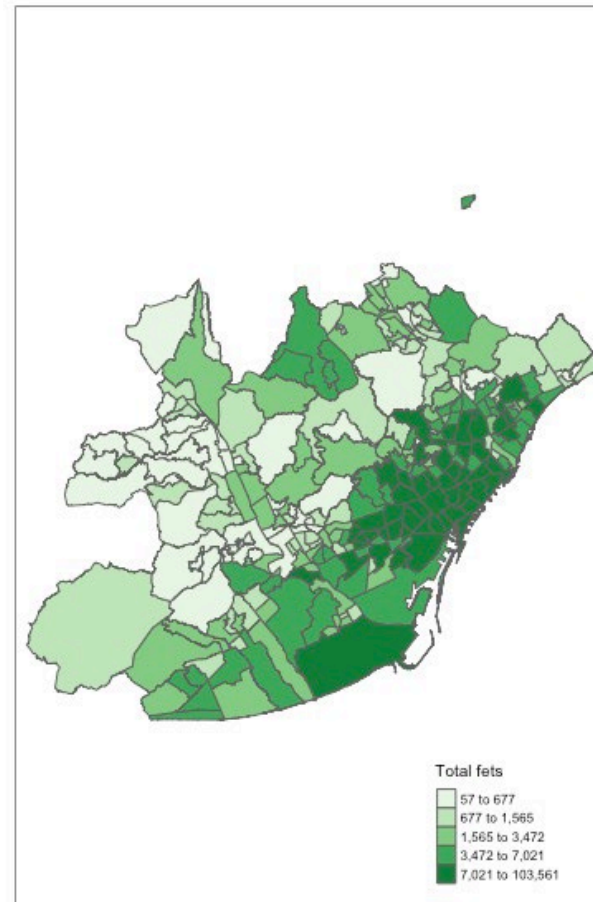
Delinqüència i victimització

Delictes registrats per la PG-ME

Fets registrats per la PG-ME (2019) geolocalitzats als Àmbits Estadístics Metropolitans



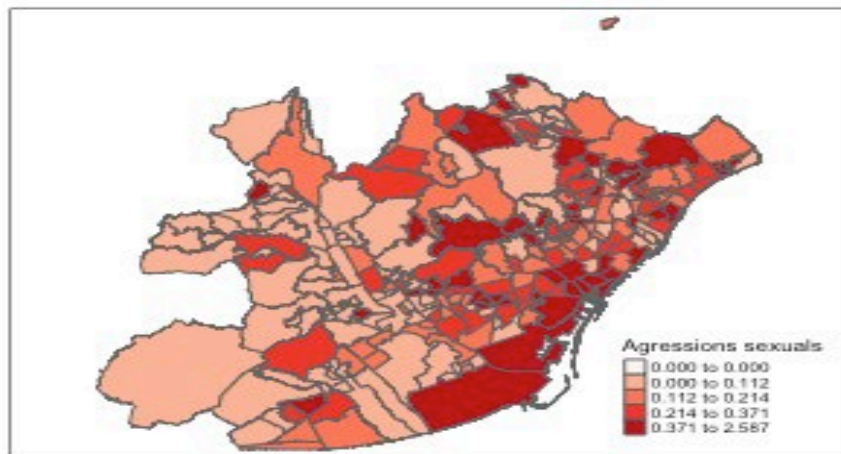
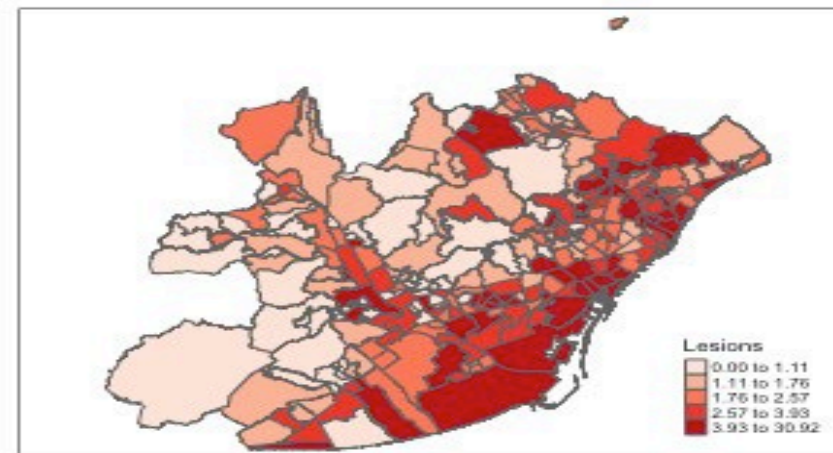
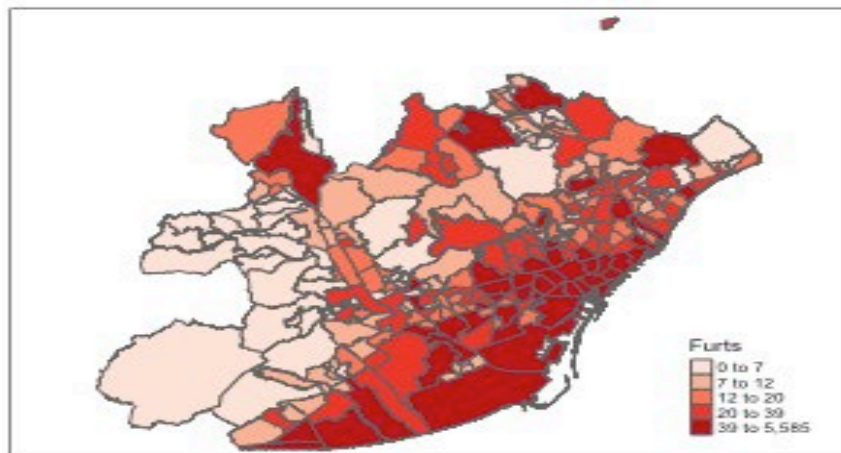
Distribució de fets registrats per la PG-ME (2016-2020) i de la taxa de fets registrats per cada 1.000 residents per Àmbits Estadístics Metropolitans



Elaborat amb les dades obtingudes per al projecte de recerca VIPOLIS

Delictes registrats per la PG-ME (II)

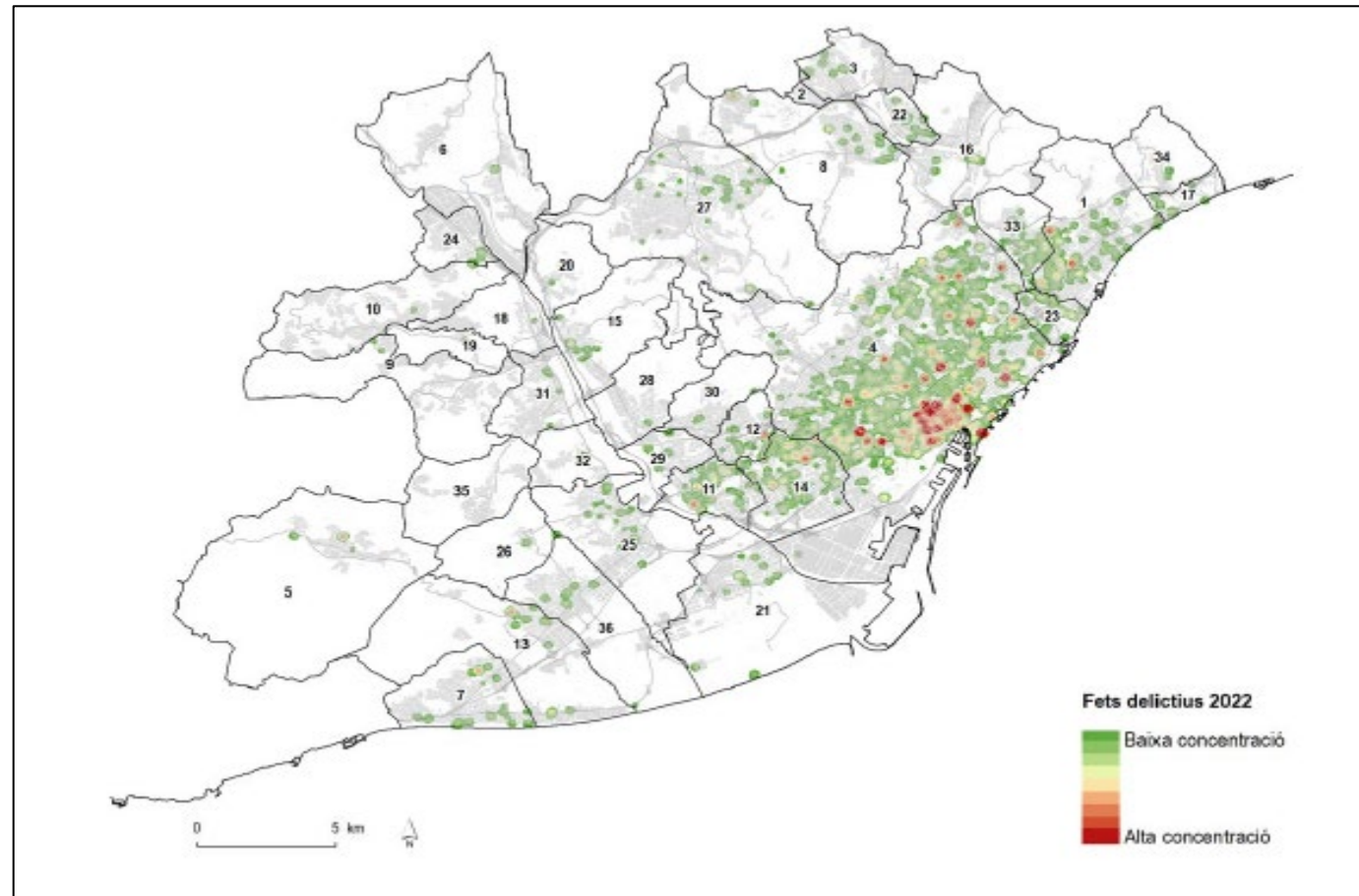
Distribució de les taxes de furts, lesions i agressions sexuals registrats per la PG-ME (2016-2020) per cada 1.000 residents per Àmbits Estadístics Metropolitans



Elaborat amb les dades obtingudes per al projecte de recerca VIPOLIS

Victimització EVAMB

Concentració dels fets delictius segons la funció de densitat de Kernel (2022)

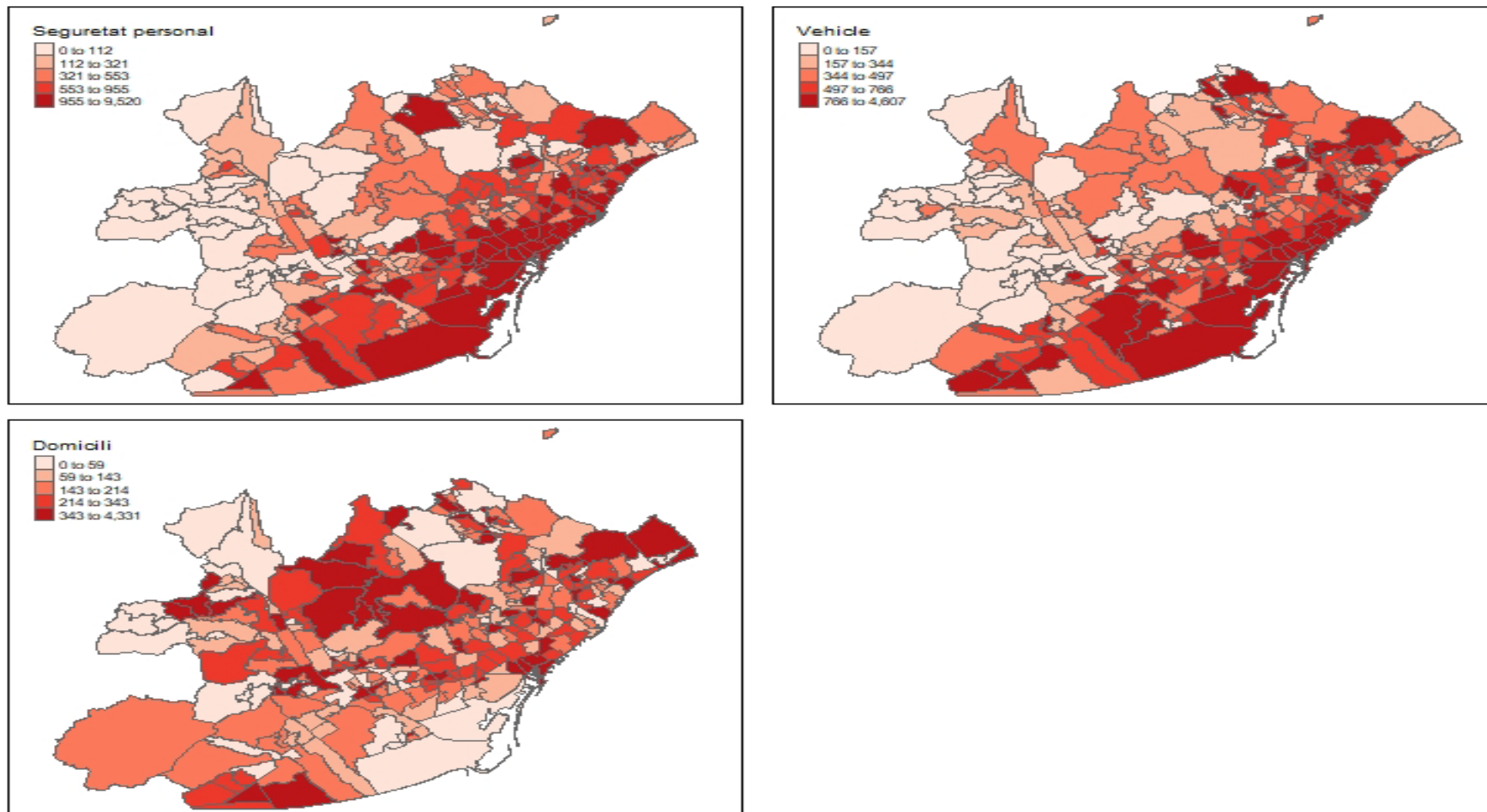


Extret de Murrià, Sobrino i López-Riba (2022: 57)

Murrià, M., Sobrino, C. i López Riba, J. M. (2022). *Enquesta de Victimització de l'Àrea Metropolitana de Barcelona, 2022: informe sobre l'estat de la seguretat urbana*. Disponible a <https://iermb.uab.cat/wp-content/uploads/2023/02/Informe-general-EVAMB-2022.pdf>

Victimització EVAMB (II)

Taxa de fets delictius per àmbit del fet i per Àmbits Estadístics Metropolitans (2015-2021)



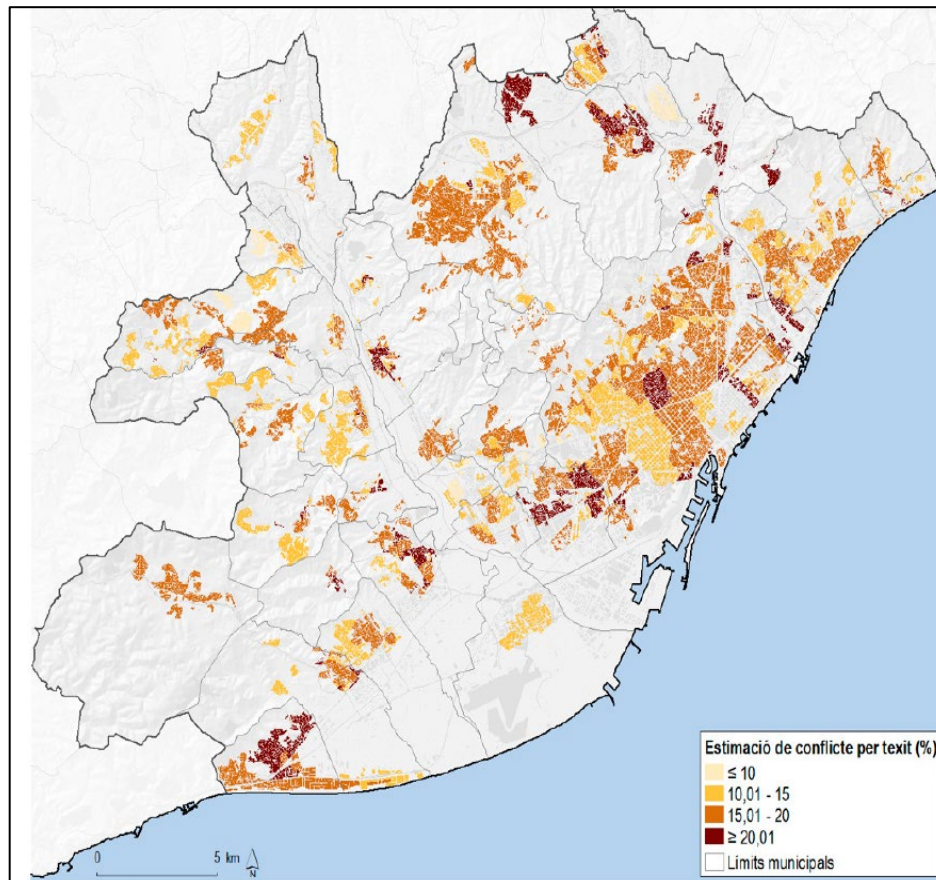
Elaborat a partir de dades de l'EVAMB (2015-2021)

3.2.

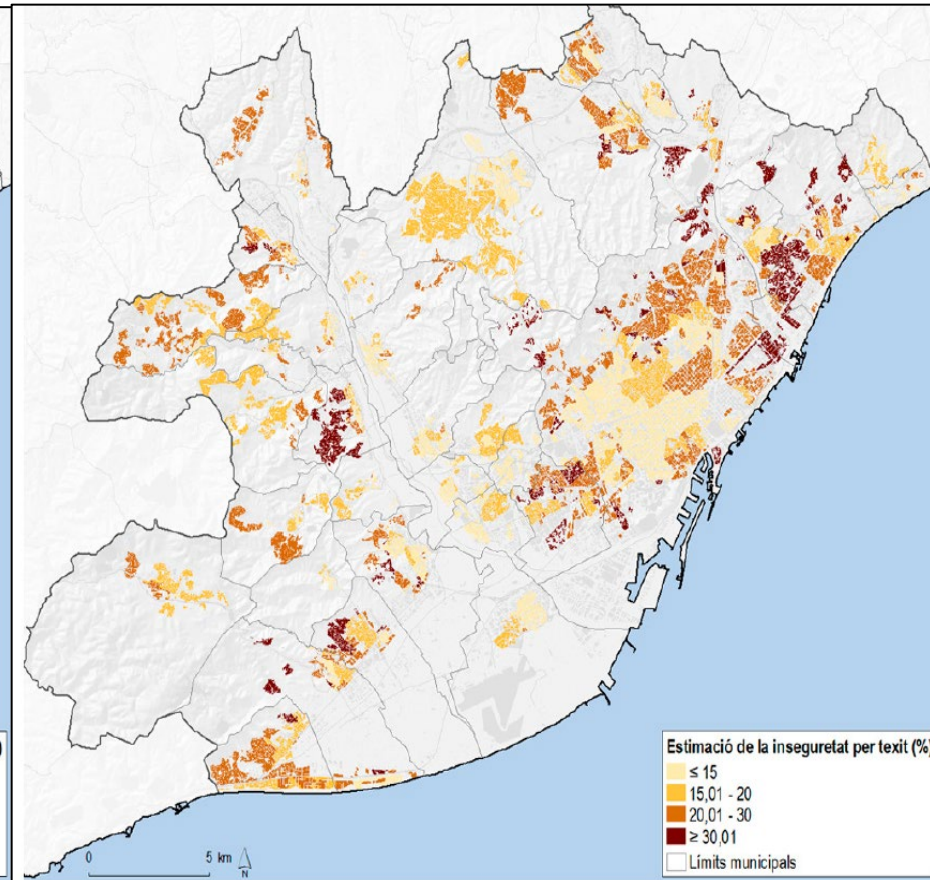
Percepció d'inseguretat

Estudi “Forma urbana i cohesió social”

Distribució estimada dels conflictes de convivència per teixit residencial (2015)



Distribució estimada de la percepció d'inseguretat per teixit residencial (2015)

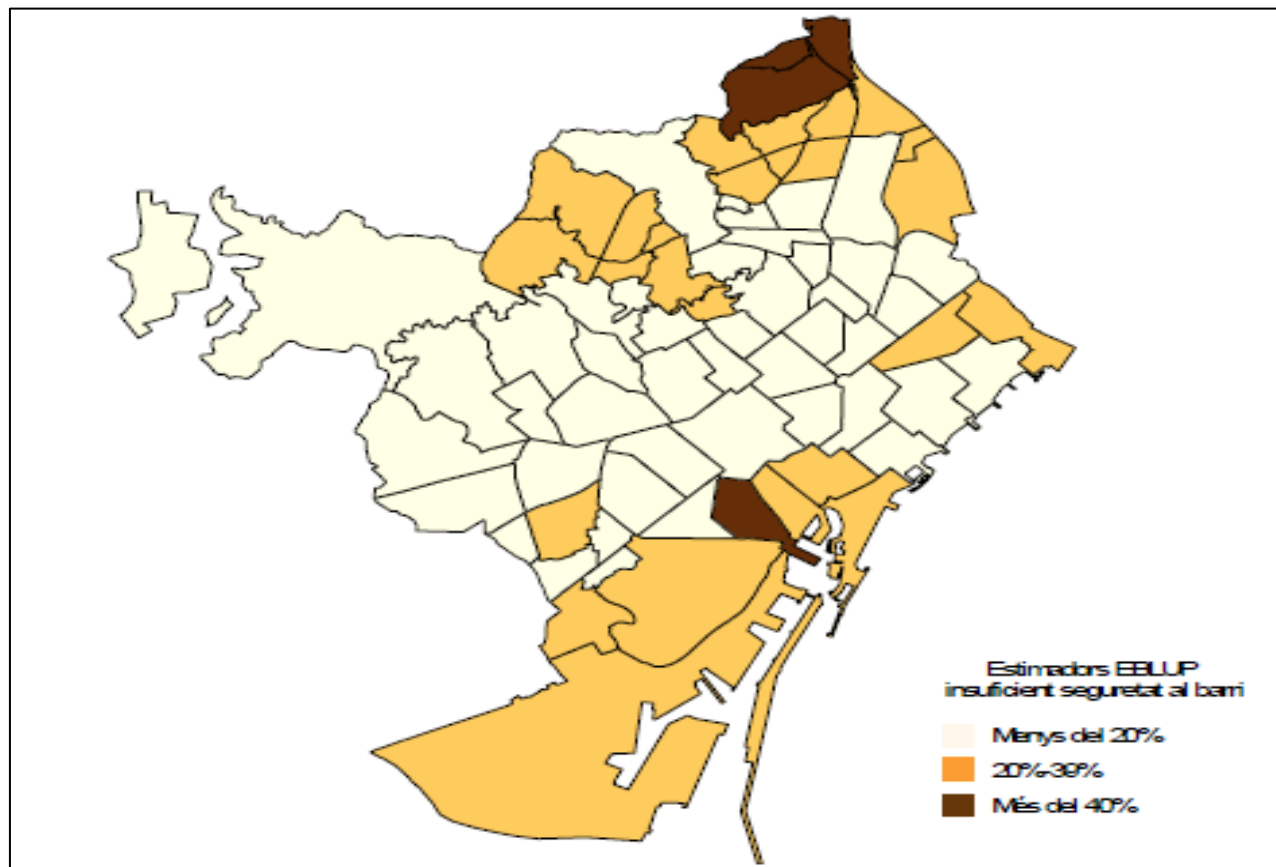


Extret de Porcel et al. (2016: 106-109).

Porcel, S., Antón, F., Coll, F., Navarro-Varas, L. i González, C. (2016). *Forma urbana i cohesió social: criteris per a una major equitat urbana en els teixits residencials*. Disponible a: <https://iermb.uab.cat/ca/estudi/forma-urbana-i-cohesio-social-criteris-per-al-planejament-urbanistic-i-les-politiques-urbanes-metropolitanes/>

Estudi “Factors de la inseguretat als barris de Barcelona”

Distribució de l'estimació de la percepció d'inseguretat als barris de Barcelona (2018)



Extret de González, Murrià i Sobrino (2019: 13)

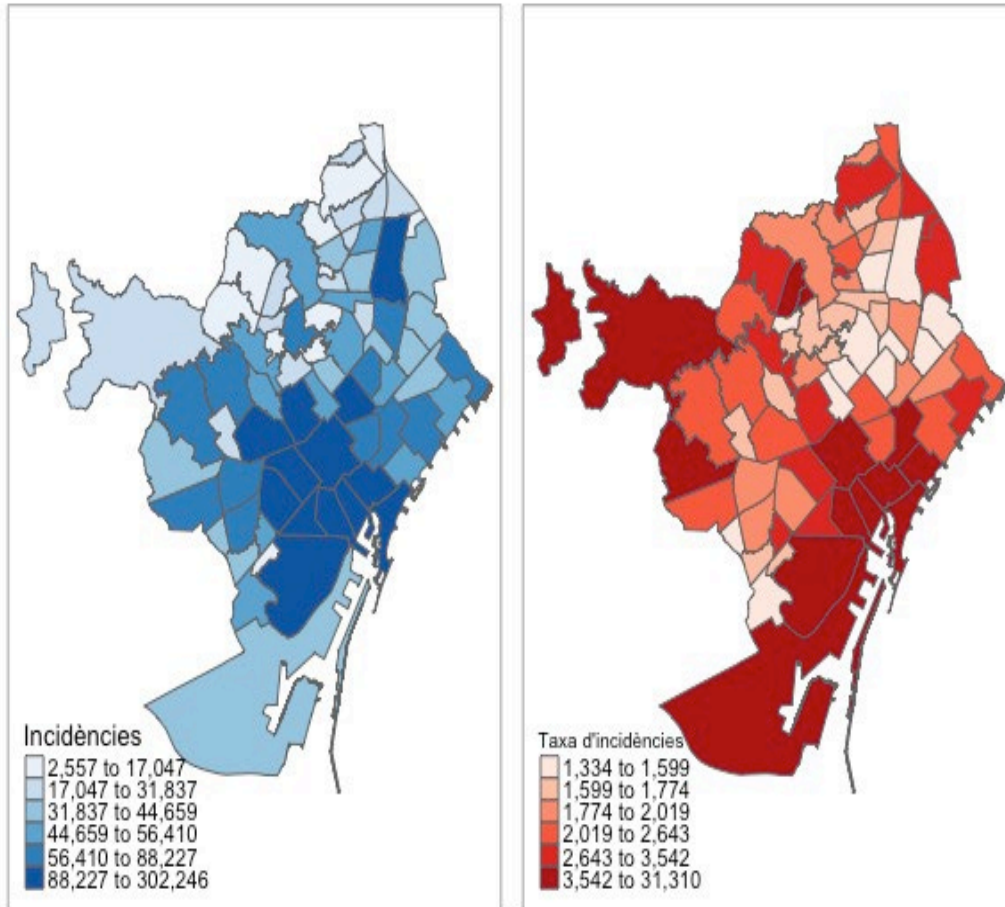
González, C., Murrià, M. i Sobrino, C. (2019). *Factors de la inseguretat als barris de Barcelona: evidència empírica i orientacions*. Disponible a <https://iermb.uab.cat/wp-content/uploads/2021/03/Informe-sobre-els-factors-de-la-inseguretat-als-barris-de-Barcelona.pdf>

3.3.

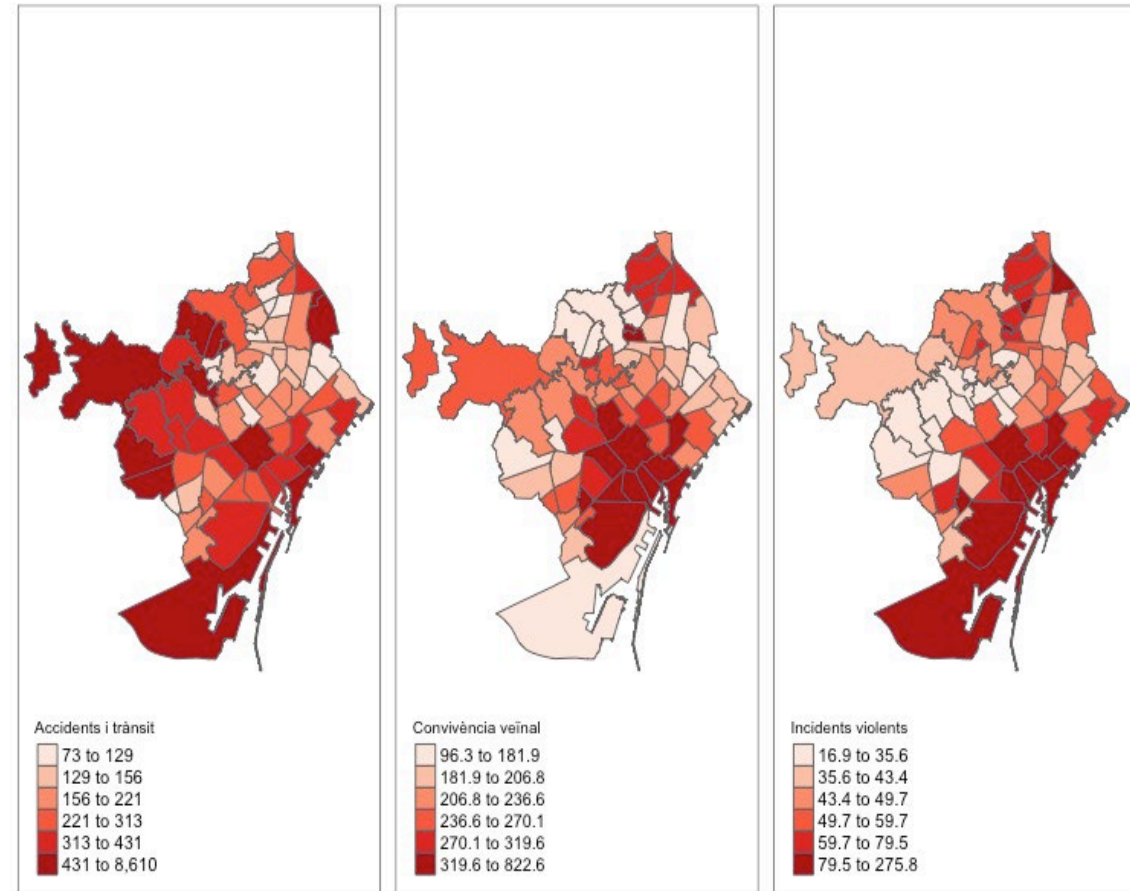
Altres indicadors

Incidents gestionats per la GUB

Incidents gestionats per la GUB per barris (2010-2022)



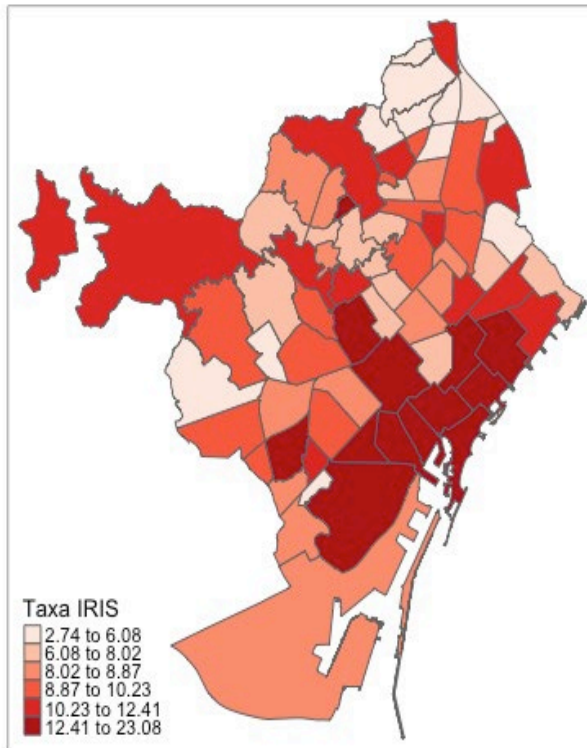
Taxa d'incidents gestionats per la GUB per tipus i per barris (2010-2022)



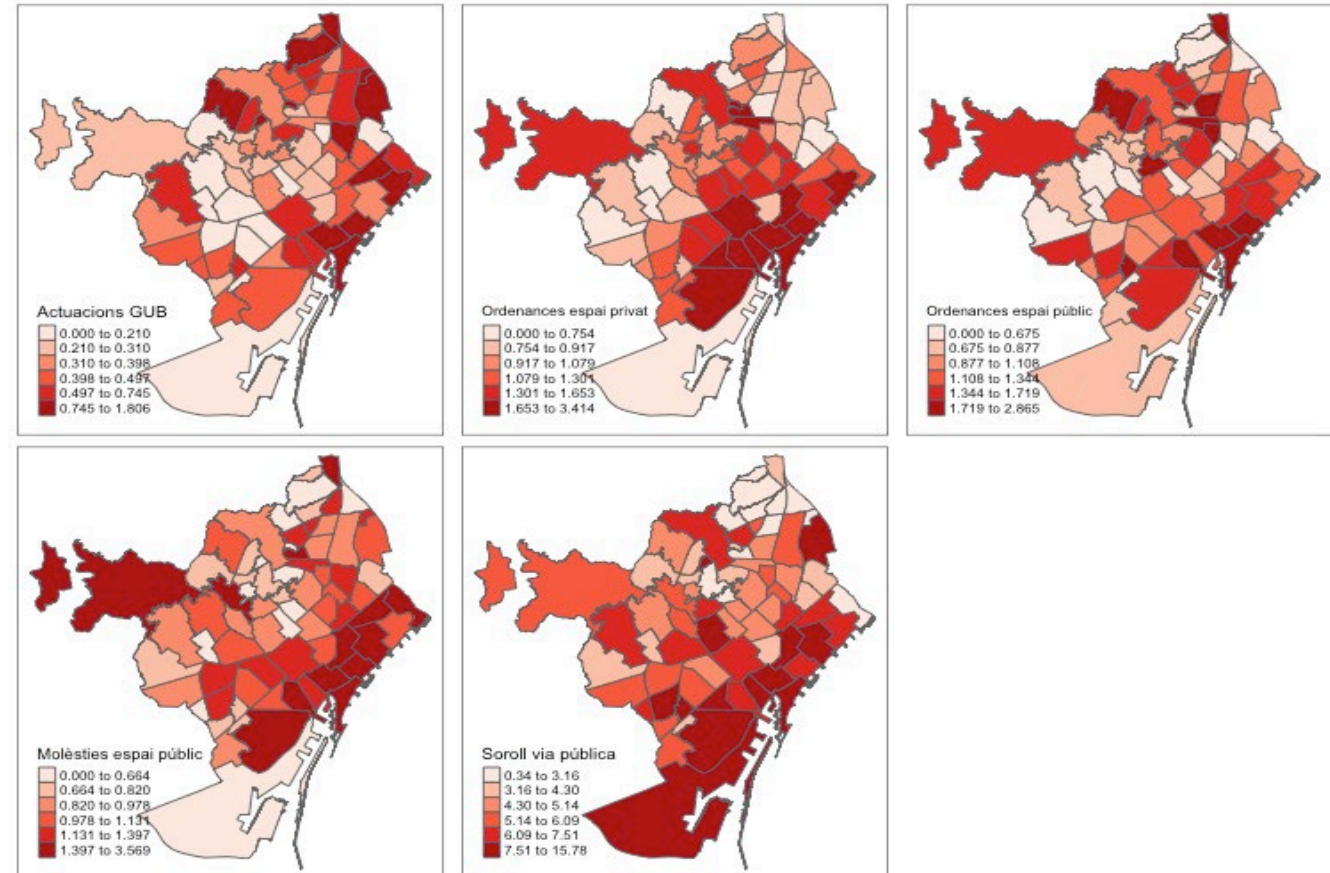
Elaborat amb les dades disponibles a <https://opendata-ajuntament.barcelona.cat/data/ca/dataset/incidents-gestionats-gub>

Incidents de prevenció i seguretat gestionats per l'A. de Barcelona

Taxa de peticions de servei, queixes i suggeriments de prevenció i seguretat per cada 1.000 habitants per barris (2013-2021)



Taxes de peticions de servei, queixes i suggeriments de prevenció i seguretat per cada 1.000 residents per barris i per tipus (2013-2021)



Elaborat amb les dades disponibles a <https://opendata-ajuntament.barcelona.cat/data/ca/dataset/iris>

Altres fonts i tècniques de recol·lecció

Distribució de les persones en situació d'interacció a Sant Cosme segons la seva mobilitat



Extret de González et al. (2020: 53)

González, C., Murrià, M., Sobrino, C., Spanou, I., Pybus, M., Valdez, E.... (2020). *L'ús social dels barris metropolitans: informe sobre la vida pública al barri de Sant Cosme*. Disponible a https://iermb.uab.cat/wp-content/uploads/2020/03/Vida-p%C3%BAblica-als-barris_Sant-Cosme-2019_web2.pdf

04

CONCLUSIONS I ORIENTACIONS

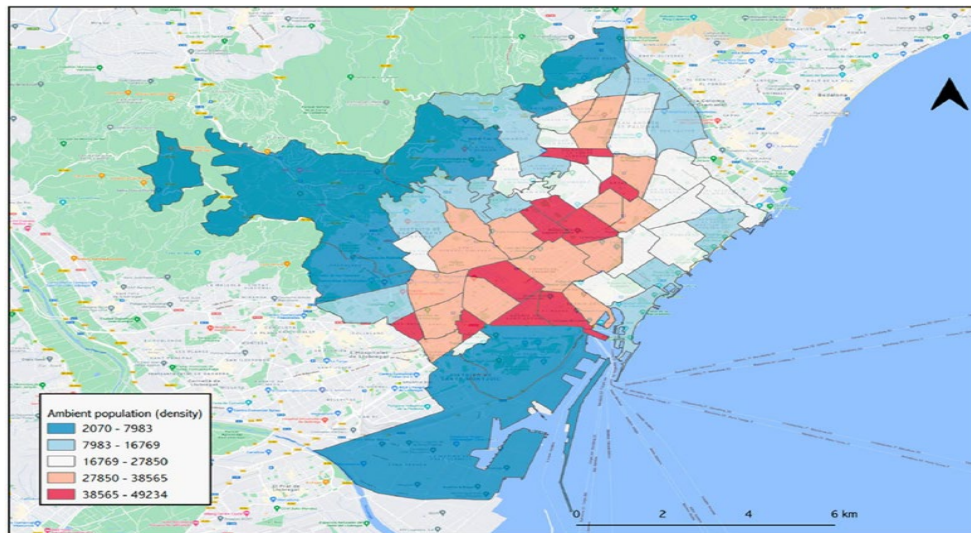
Conclusions i orientacions per seguir avançant

1. Hi ha fonts d'informació... però cal crear els indicadors a nivell de barri.
2. ¿En què podem avançar?
 - a. Dades policials geolocalitzades
 - b. Estimacions de percepció d'inseguretat
 - c. Revisió i sistematització de registres administratius (p. ex., incidències)
 - d. Aplicació tècniques a escala més petita (observacions, entrevistes, etc.)

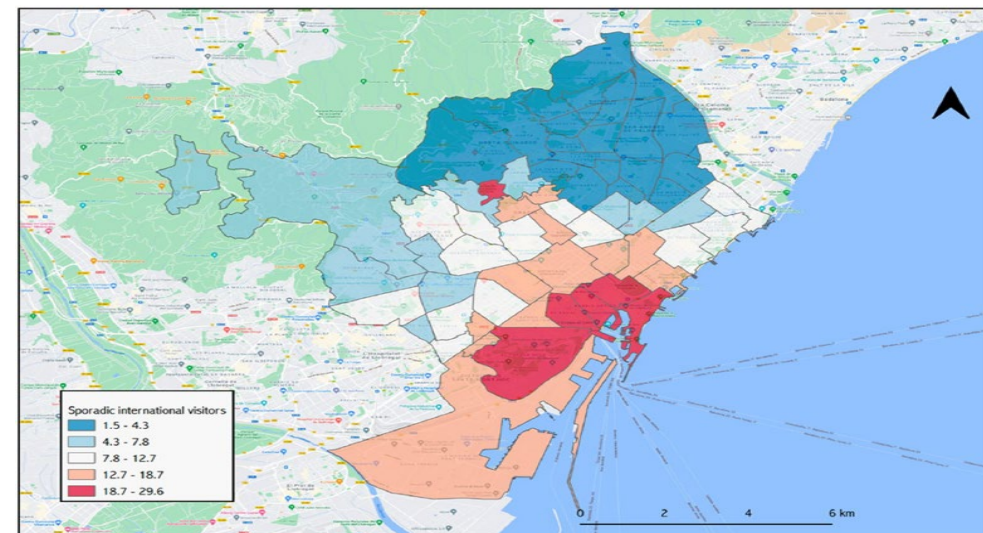
Conclusions i orientacions per seguir avançant (II)

3. Aspectes transversals:
 - a. Diferències entre Barcelona i la resta de municipis
 - b. Col·laboració ajuntaments amb entitats supralocals (AMB, Diputació, etc.) i IERMB
 - c. Límits flexibles dels barris en la vida quotidiana
 - d. Impacte de la mobilitat ("població ambient") i el turisme

Densitat mitjana de població ambient al 2019 per barris de Barcelona



Mitjana del percentatge de visitants internacionals esporàdics per barris de Barcelona (2019)



Valente, R. i Medina-Ariza, J. (2022). Mobility, Nonstationary Density, and Robbery Distribution in the Tourist Metropolis. *European Journal on Criminal Policy and Research*, Online First. Disponible a <https://link.springer.com/article/10.1007/s10610-022-09528-4>

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