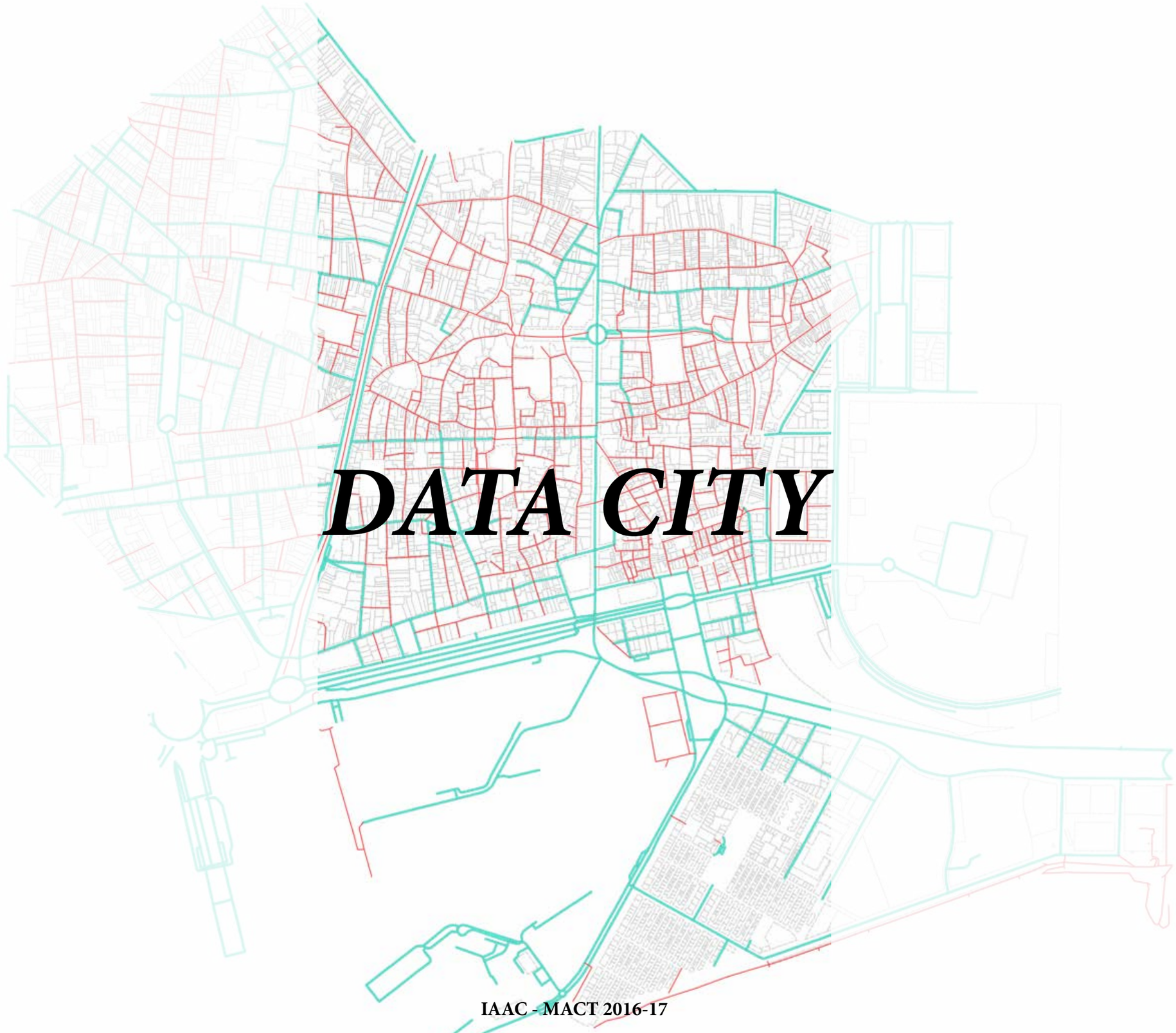


DATA CITY

IAAC - MACT 2016-17

ABHIGNYA GRANDHI - PRATYAKSH SHARMA

Barcelona City

Population : 1.6 million

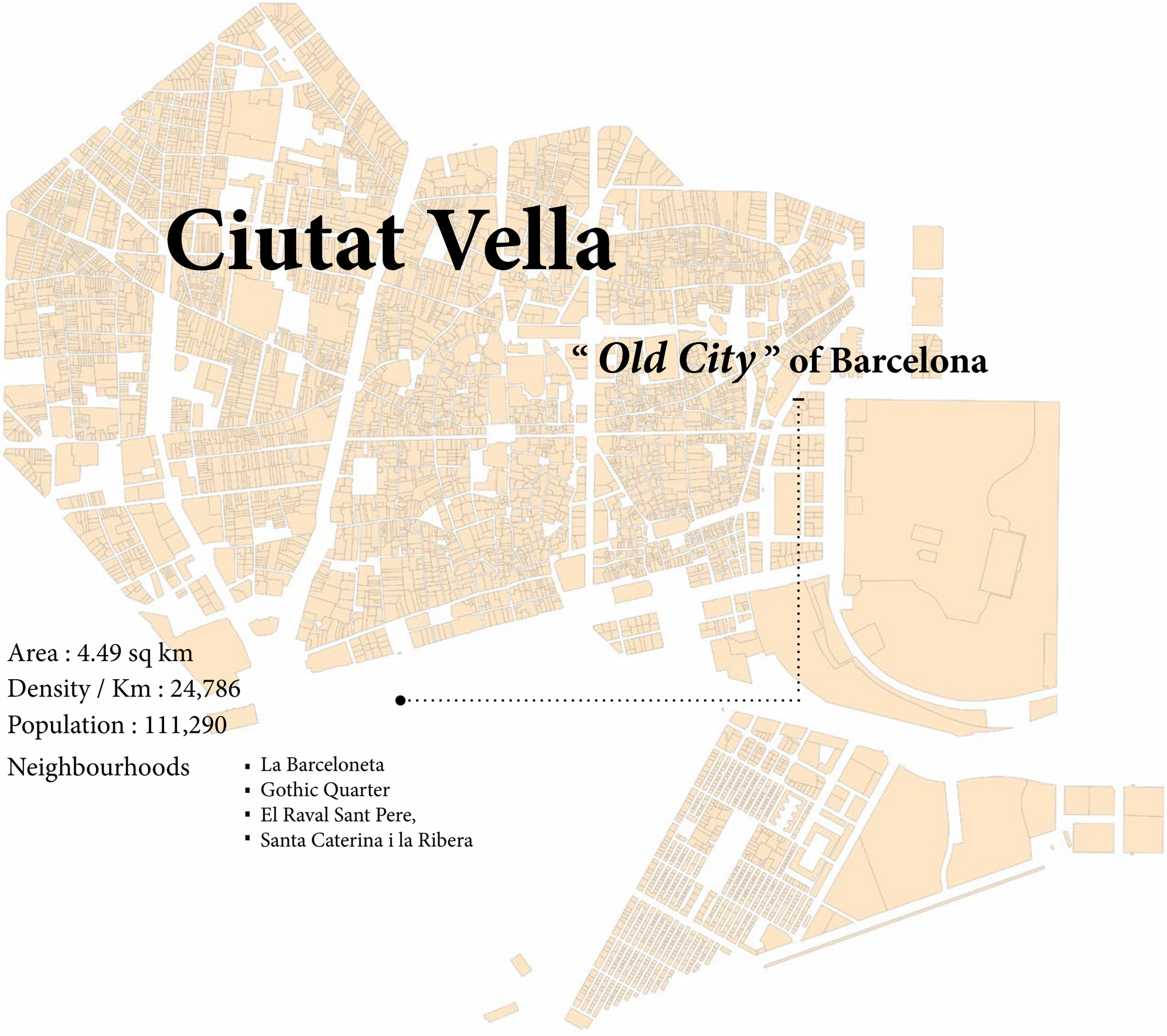
10 districts

Ciutat Vella

6.9%
of citys population

Ciutat Vella

“ *Old City* ” of Barcelona



Area : 4.49 sq km

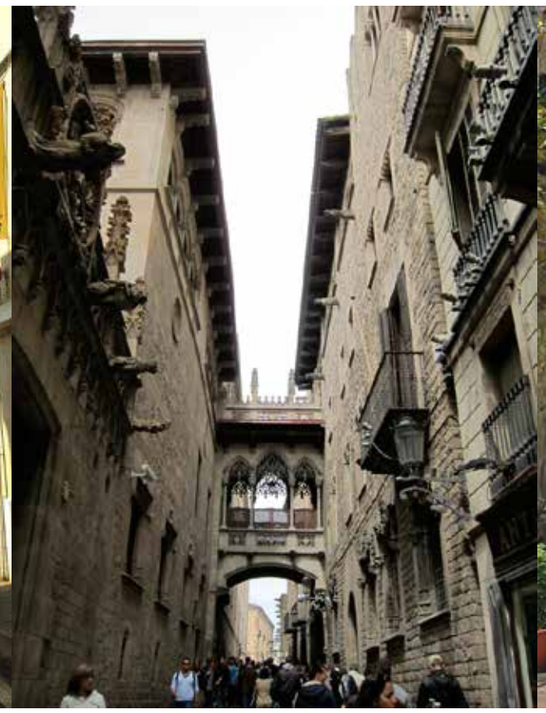
Density / Km : 24,786

Population : 111,290

Neighbourhoods

- La Barceloneta
- Gothic Quarter
- El Raval Sant Pere,
- Santa Caterina i la Ribera

FERRETERIA
BRAS



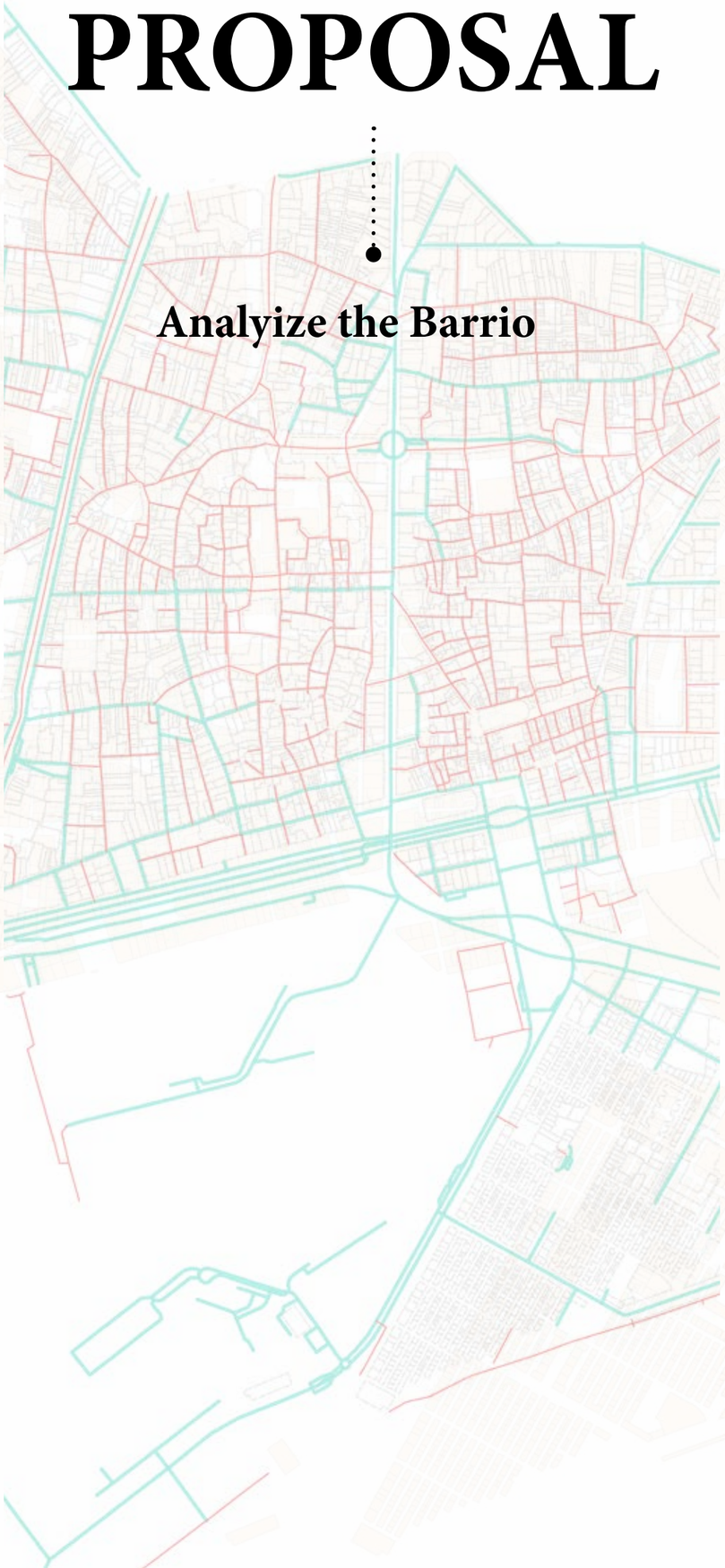
by CN Torneos

How to solve it?

PROPOSAL

PROPOSAL

Analyize the Barrio



PROPOSAL

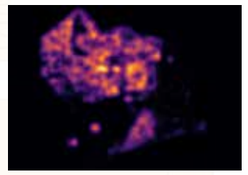
Analyize the Barrio

Streets

PROPOSAL

Analyize the Barrio

Streets



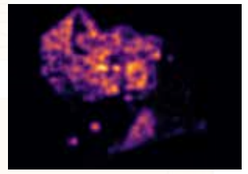
Commercial Spaces

PROPOSAL

Analyize the Barrio

Streets

Density



Commercial Spaces

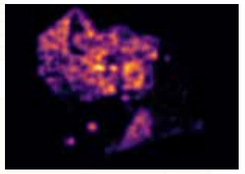
PROPOSAL

Analyize the Barrio

Streets

Density

High Density Spaces



Commercial Spaces

PROPOSAL

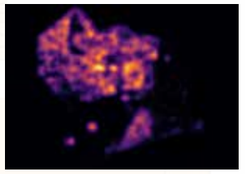
Analyize the Barrio

Streets

Density

Population

High Density Spaces



Commercial Spaces

PROPOSAL

Analyize the Barrio

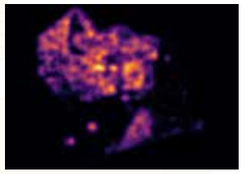
Streets

Density

Population

Recycled Spaces

High Density Spaces



Commercial Spaces

PROPOSAL

Analyize the Barrio

Streets

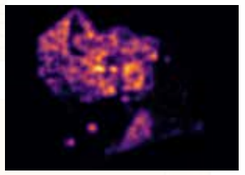
Density

Population

Public Services

Recycled Spaces

High Density Spaces



Commercial Spaces

PROPOSAL

Analyize the Barrio

Streets | Density | Population | Public Services | Recycled Spaces | High Density Spaces | Commercial Spaces

Step Taken

PROPOSAL

Analyize the Barrio

Streets

Density

Population

Public Services

Recycled Spaces

High Density Spaces

Commercial Spaces

Step Taken

Pedestrianization Of Streets

PROPOSAL

Analyize the Barrio

Streets

Density

Population

Public Services

Recycled Spaces

High Density Spaces

Commercial Spaces

Step Taken

Pedestrianization Of Streets

Empty Streets

PROPOSAL

Analyize the Barrio

Streets

Density

Population

Public Services

Recycled Spaces

High Density Spaces

Commercial Spaces

Step Taken

Pedestrianization Of Streets

Empty Streets ..... **Analyzie streets On Width**

PROPOSAL

Analyize the Barrio

Streets | Density | Population | Public Services | Recycled Spaces | High Density Spaces | Commercial Spaces

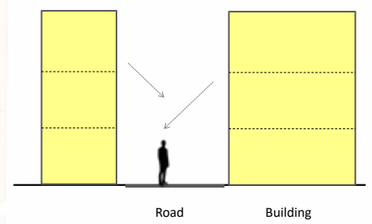
Step Taken

Pedestrianization Of Streets

Empty Streets

Analyzie streets On Width

Narrow



PROPOSAL

Analyize the Barrio

Streets | Density | Population | Public Services | Recycled Spaces | High Density Spaces | Commercial Spaces

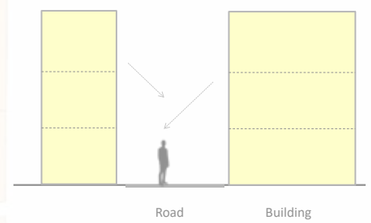
Step Taken

Pedestrianization Of Streets

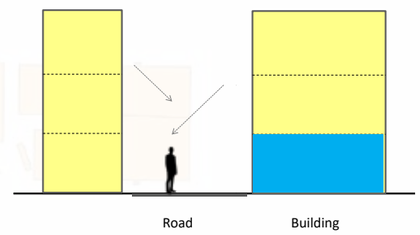
Empty Streets

Analyzie streets On Width

Narrow



Wide



PROPOSAL

Analyize the Barrio

Streets | Density | Population | Public Services | Recycled Spaces | High Density Spaces | Commercial Spaces

Step Taken

Pedestrianization Of Streets

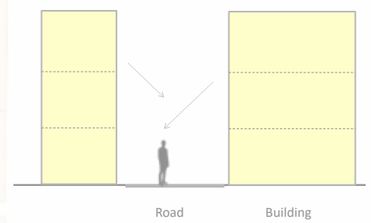
Empty Streets

Analyzie streets On Width

Empty Shops

Vehicular Shops

Narrow



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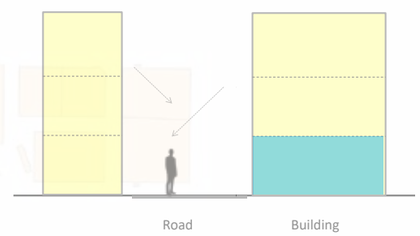


PROPOSAL

Analyize the Barrio

Streets | Density | Population | Public Services | Recycled Spaces | High Density Spaces | Commercial Spaces

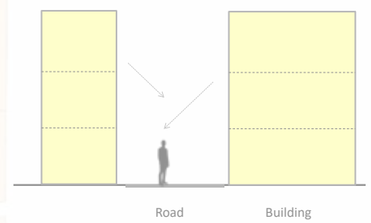
Step Taken

Pedestrianization Of Streets

Empty Streets

Analyzie streets On Width

Narrow



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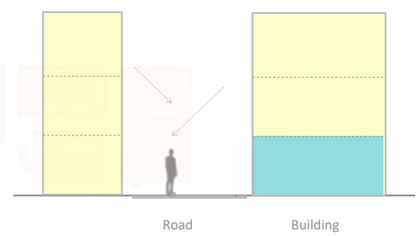


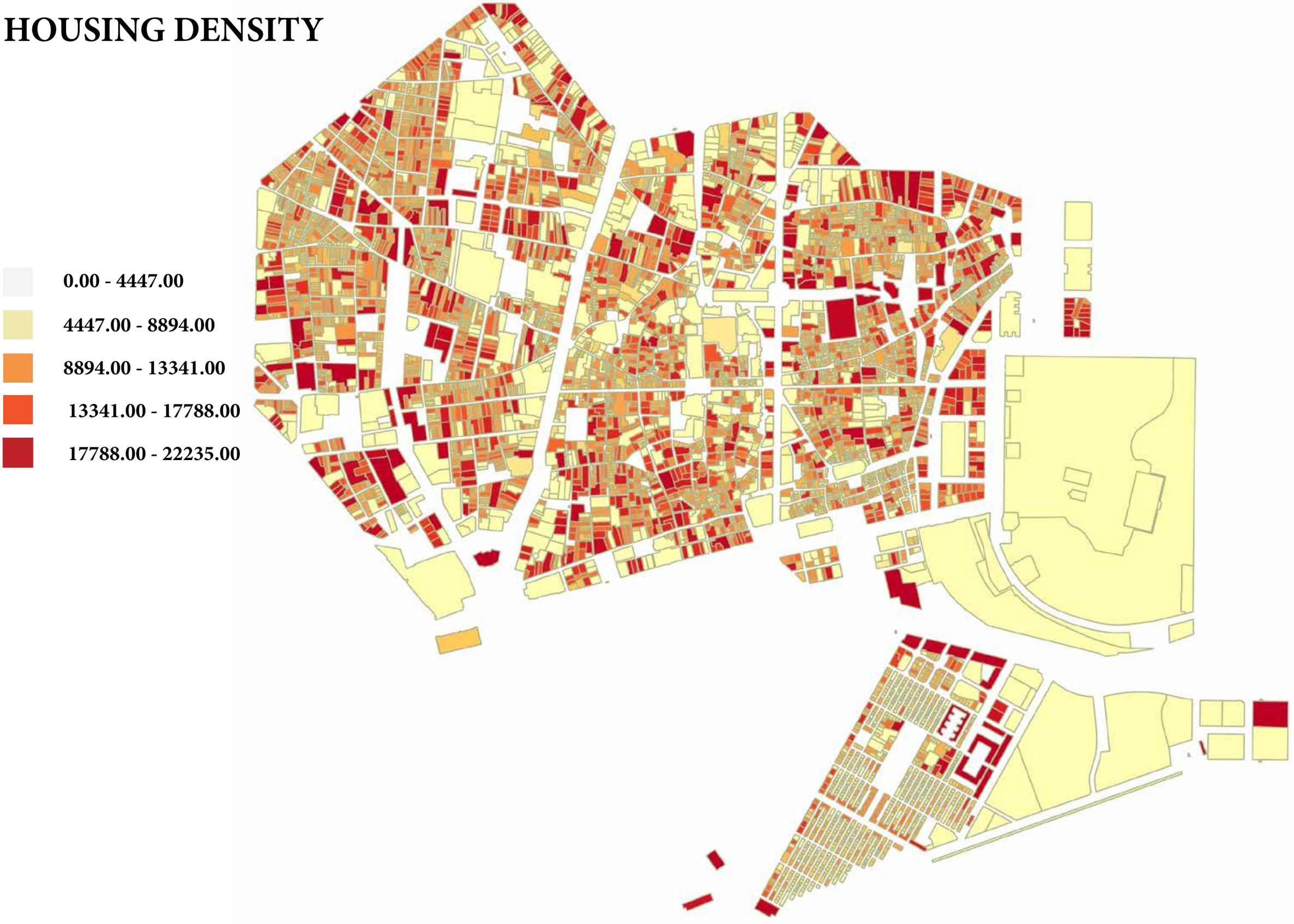
Empty Shops

Vehicular Shops

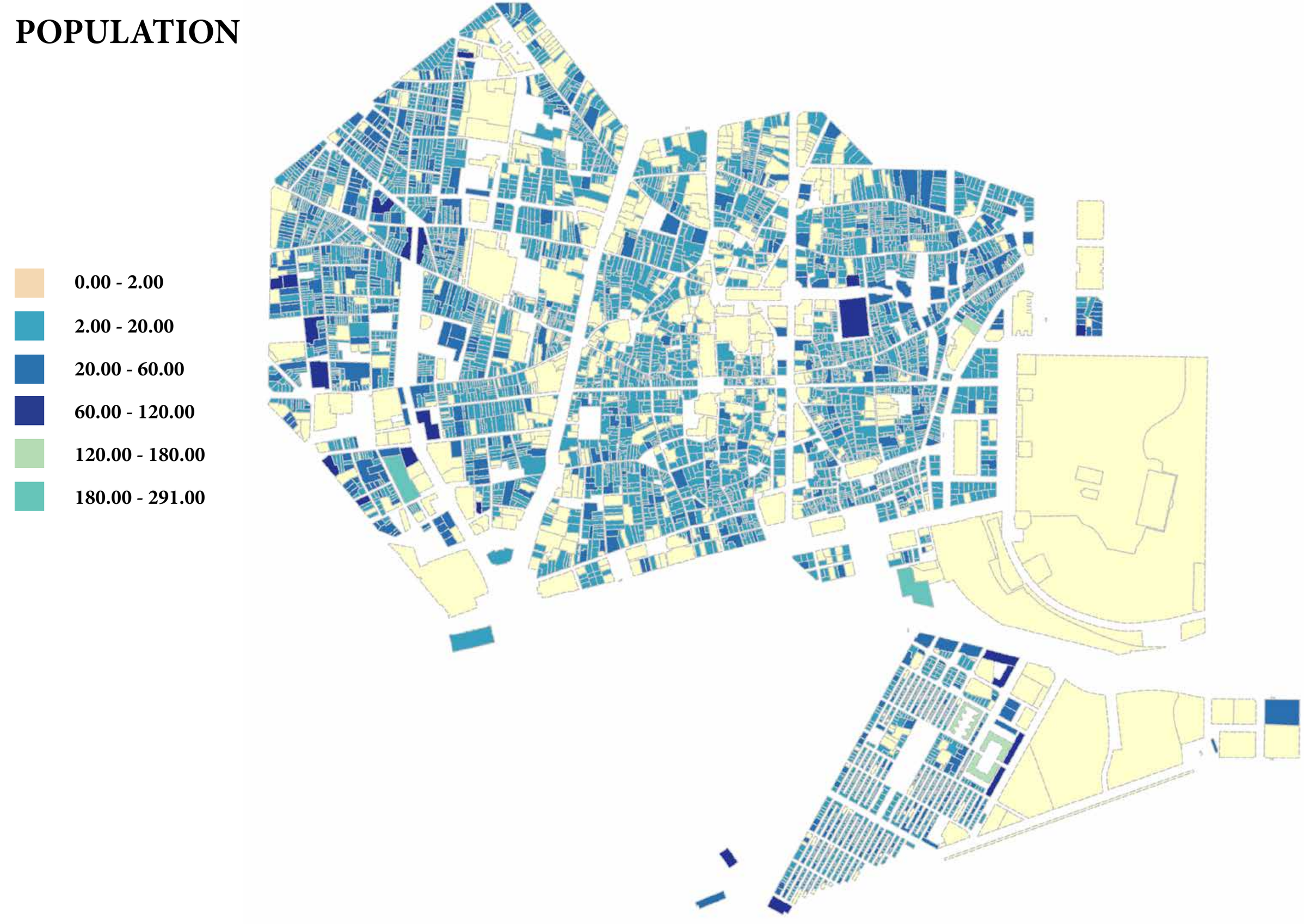
Recycle the Areas

Re-Distribute the density

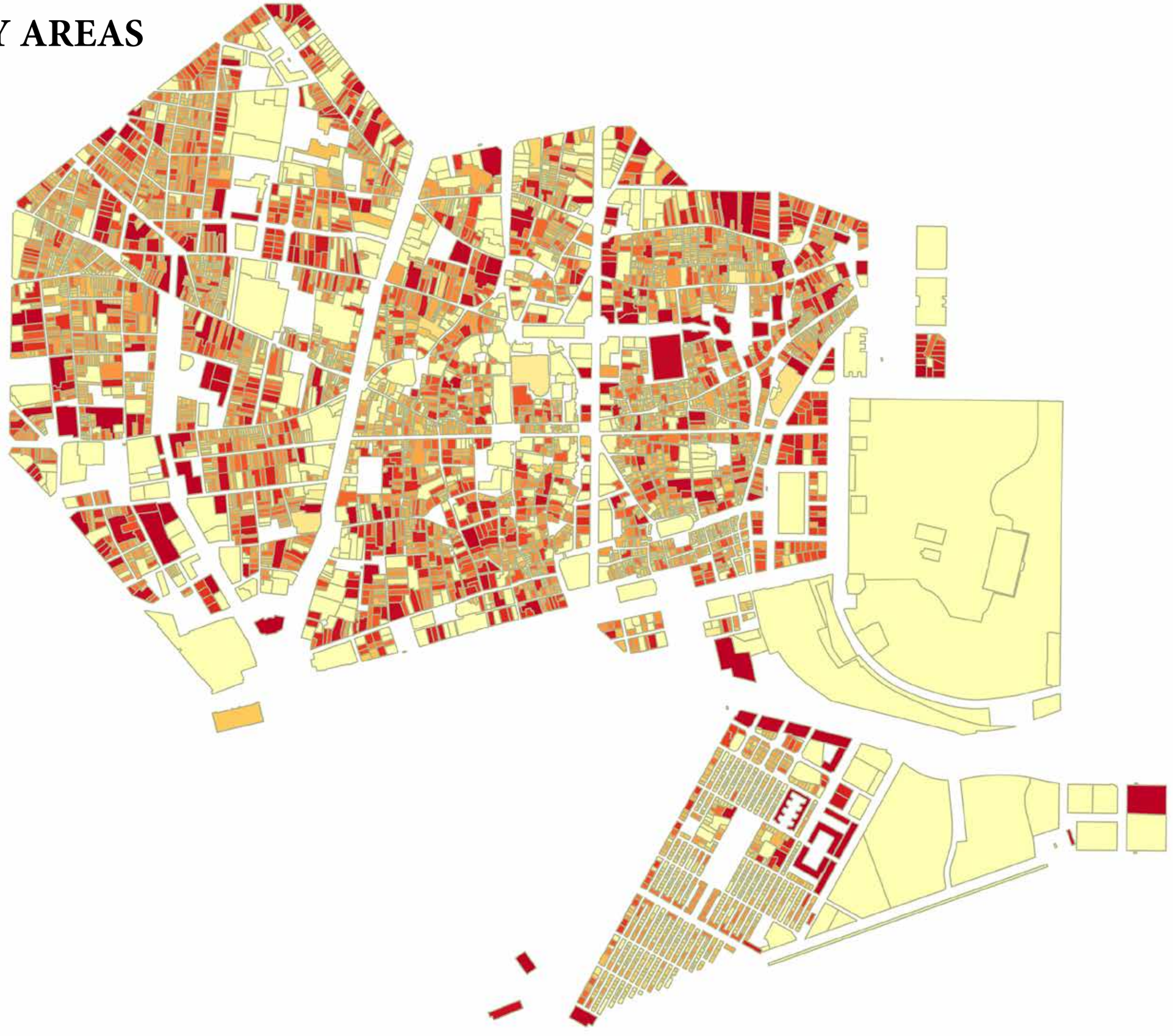
HOUSING DENSITY



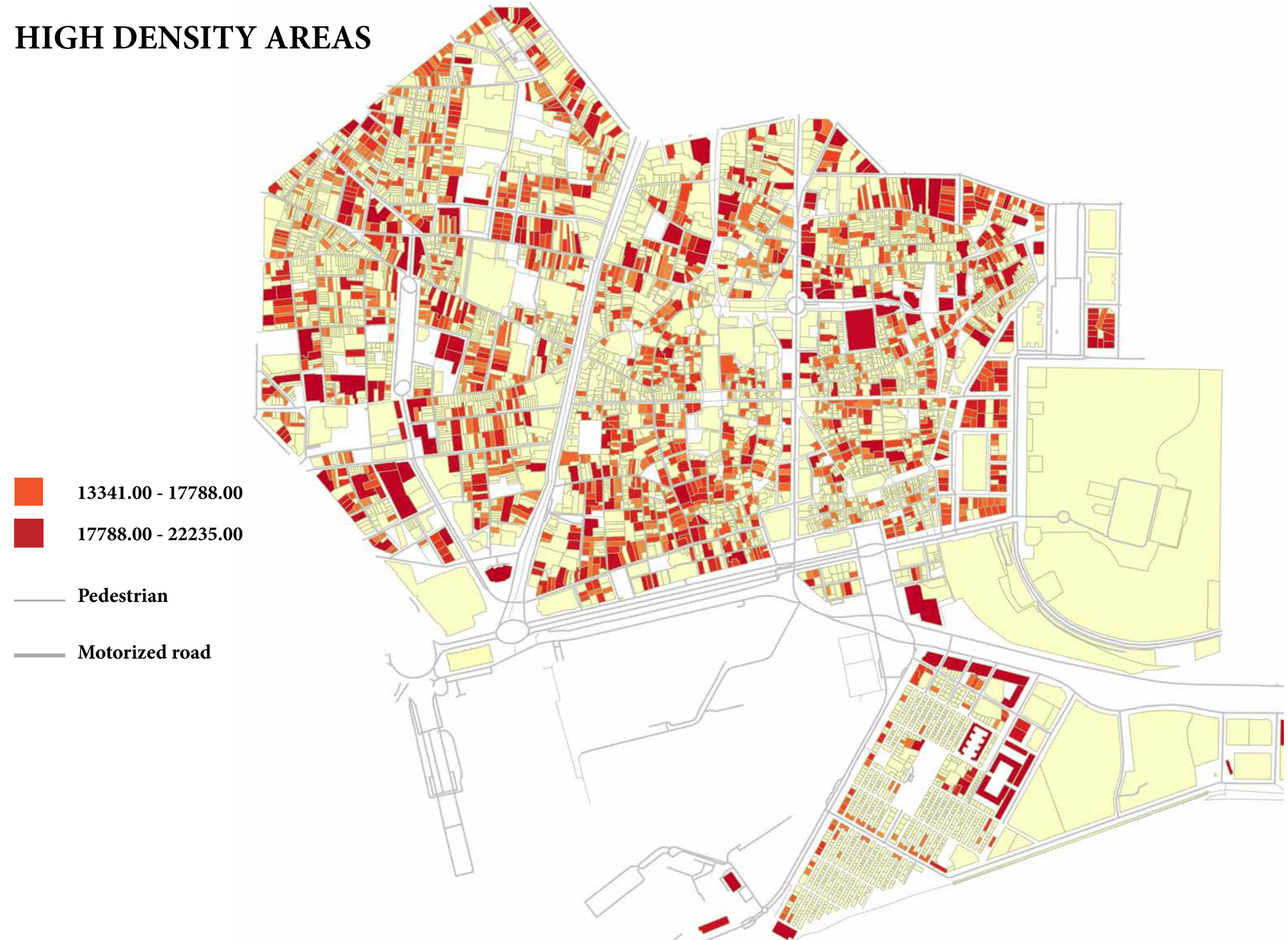
POPULATION


0.00 - 2.00
2.00 - 20.00
20.00 - 60.00
60.00 - 120.00
120.00 - 180.00
180.00 - 291.00

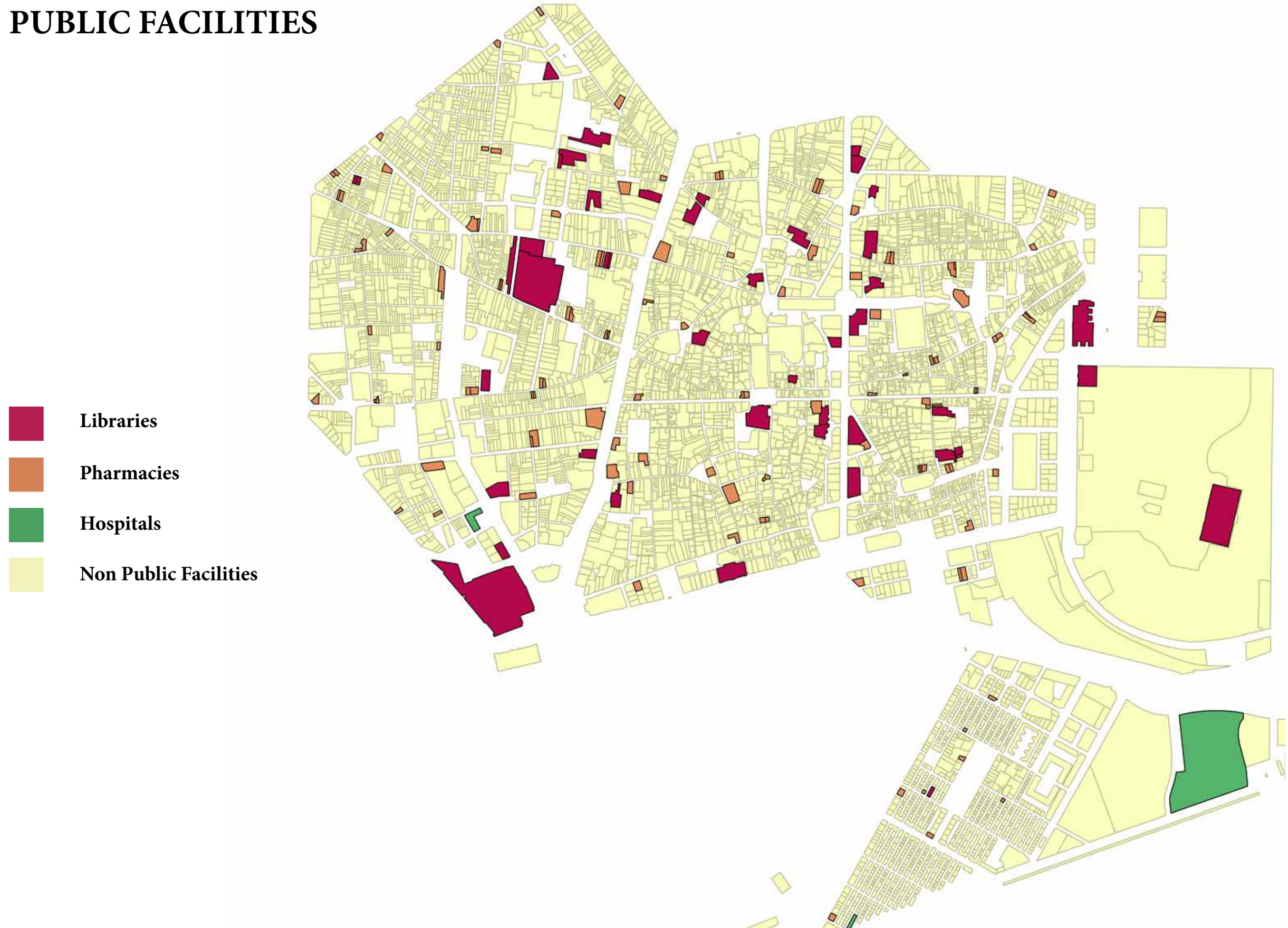
HIGH DENSITY AREAS



HIGH DENSITY AREAS

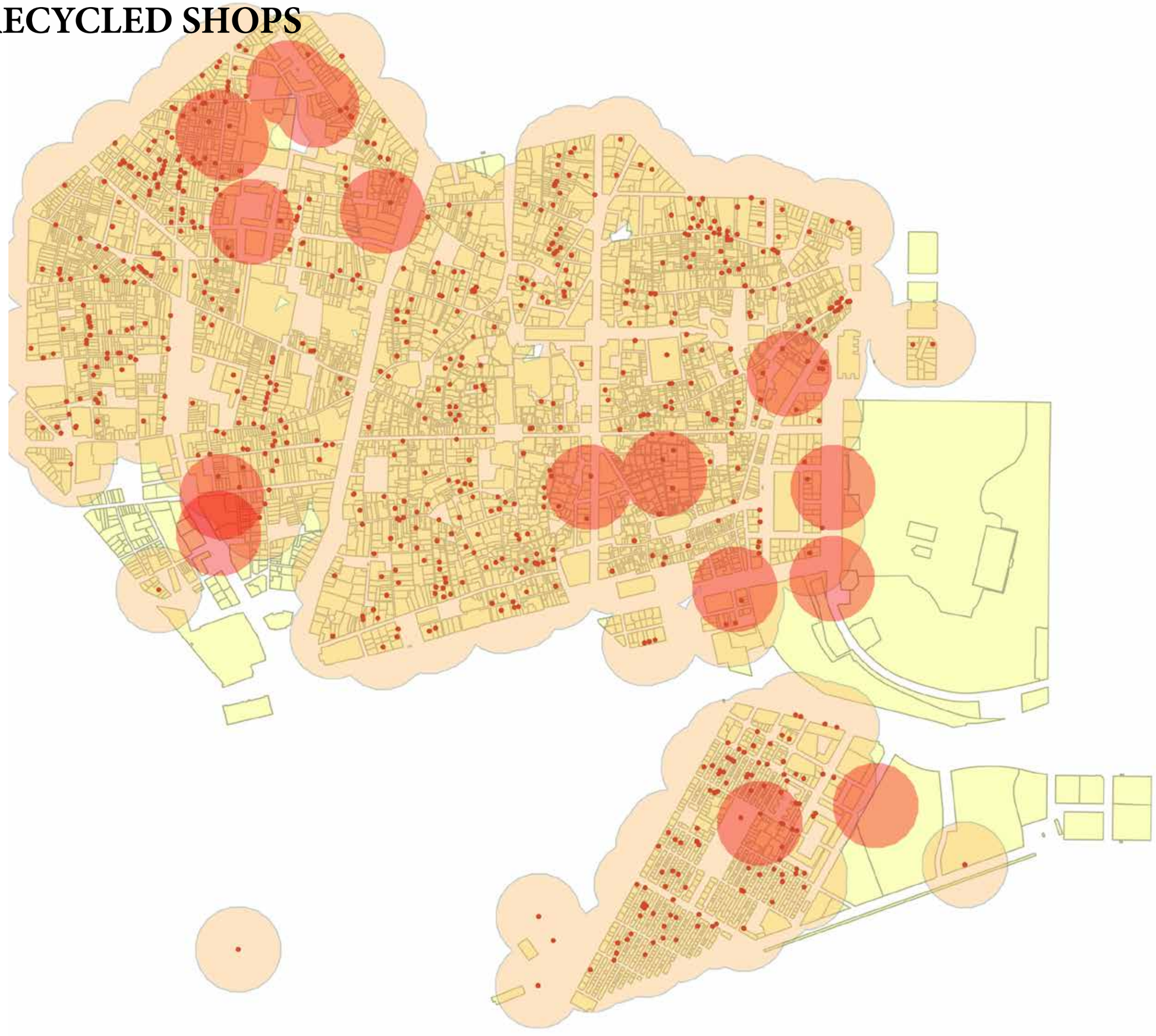


PUBLIC FACILITIES

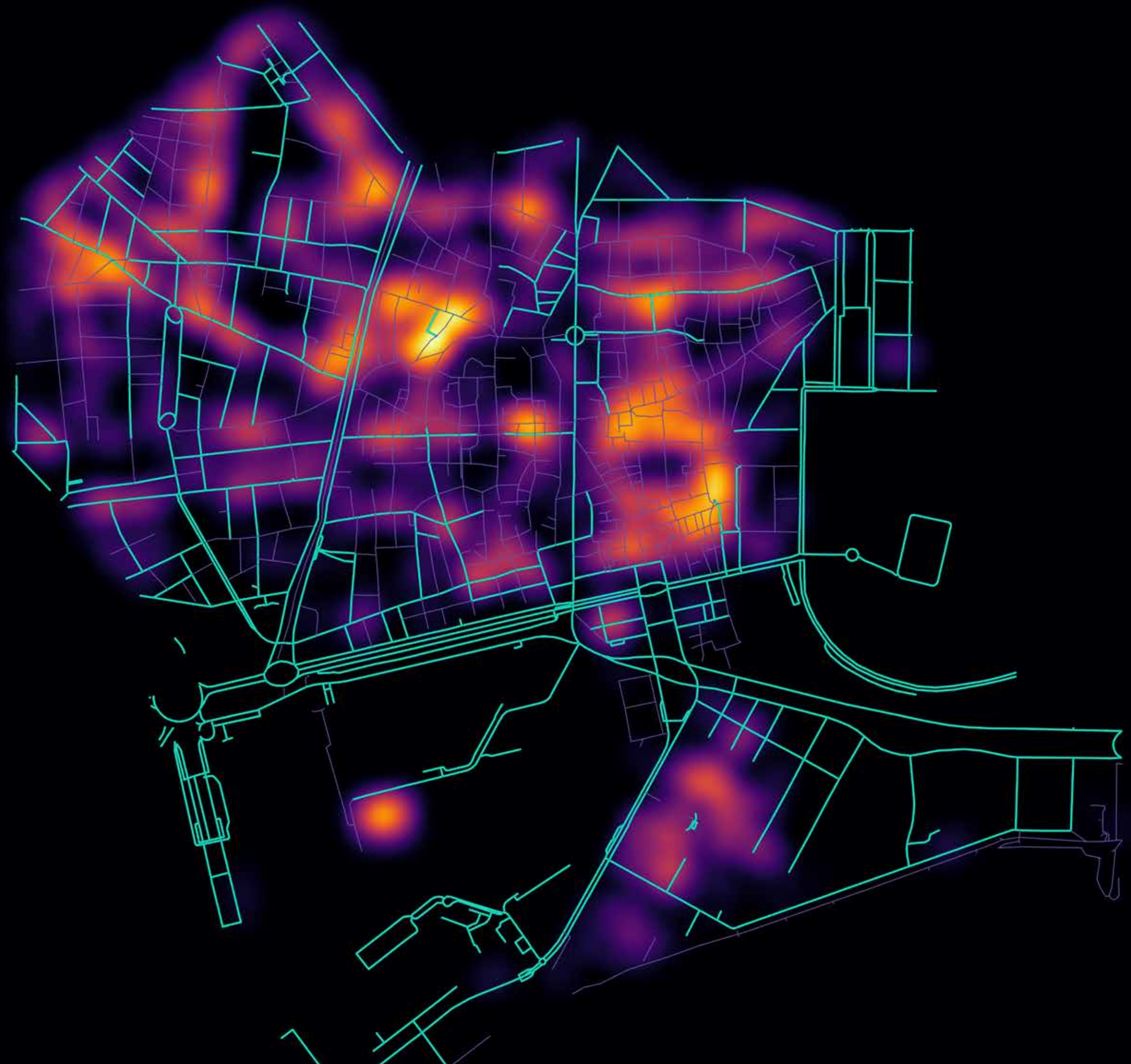


COMMERCIAL FACILITIES

MOBILITY / RECYCLED SHOPS



LAYERING UP



OPEN SPACES

PROPOSAL

PROPOSAL

Analyize the Barrio

Streets

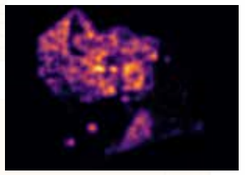
Density

Population

Public Services

Recycled Spaces

High Density Spaces



Commercial Spaces

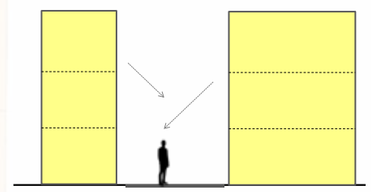
Step Taken

Pedestrianization Of Streets

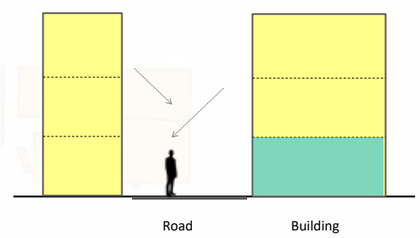
Empty Streets

Analyzie streets On Width

Narrow



Wide



Empty Shops

Vehicular Shops

Recycle the Areas

Re-Distribute the density

RESULT

Reduced by 48%

THANK YOU