

The background of the slide is a photograph of a large crowd of people at a nighttime event. Many people have their hands raised in the air, and the scene is illuminated by bright, warm-toned stage lights that create a hazy, festive atmosphere. The text is overlaid on this image.

Enhancing Public Space Safety for Women

ENJOY THE SAFETY

through Nighttime Economy

1. Background

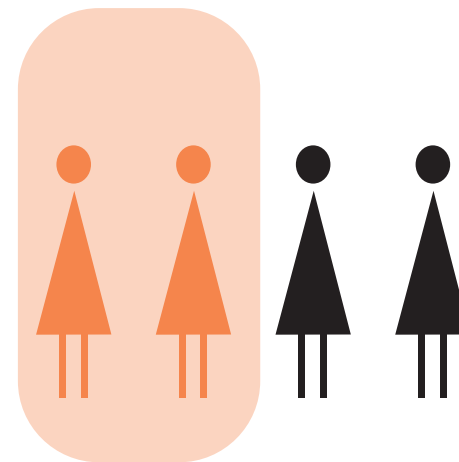
WHY NIGHTTIME

Violent crime time of day
(per 1,000 in age group)



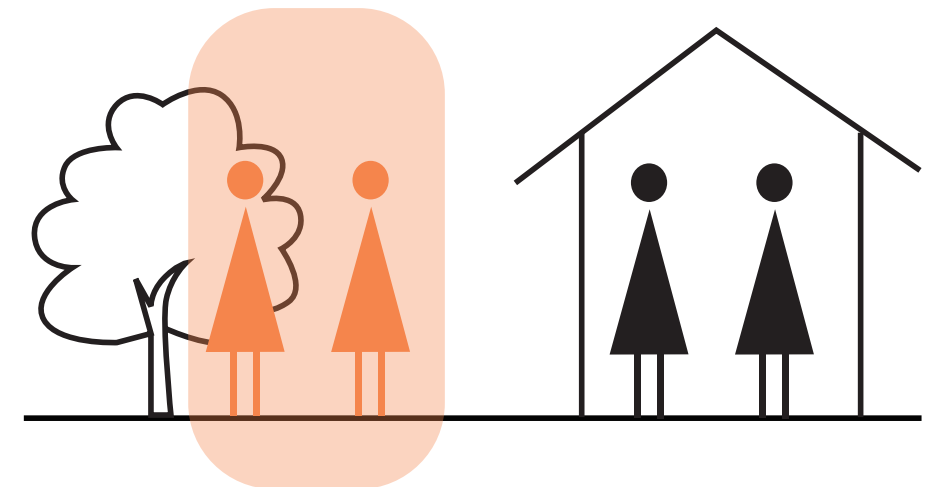
Note: Violent crimes include murder, violent sexual assault, robbery, aggravated assault, simple assault, and kidnapping. Data are from law enforcement agencies in 45 states and the District of Columbia.

WHY WOMEN



75% of women in the Netherlands have experienced sexual harassment

WHY PUBLIC SPACE



51% of sex harrasment occurred in public spaces such as streets

First Let's Talk About SAFETY

1.1. Is the Netherlands Safe at Night?

Do you think the Netherlands is safe?
Do you feel that the city you live in is safe?



A



B



C



D



E



F

Do they think the Netherlands is safe?
Do they feel that the city you live in is safe?



A



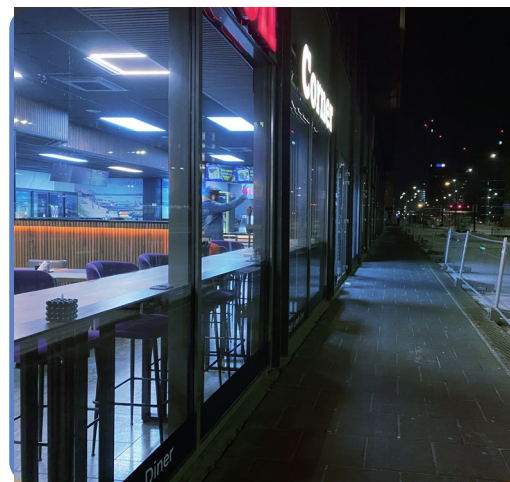
B



C



D



E



F

1.2. A Personal Motivation



1.3. Feelings and experiences of insecurity are related to personal background.

Can you recall the last time you felt unsafe going out at night (after 18:00)? What happened, and what made you feel unsafe?

Usually, I'll ask someone to go out with me so I don't feel too afraid.

Men catcalled me, which made me feel uncomfortable.

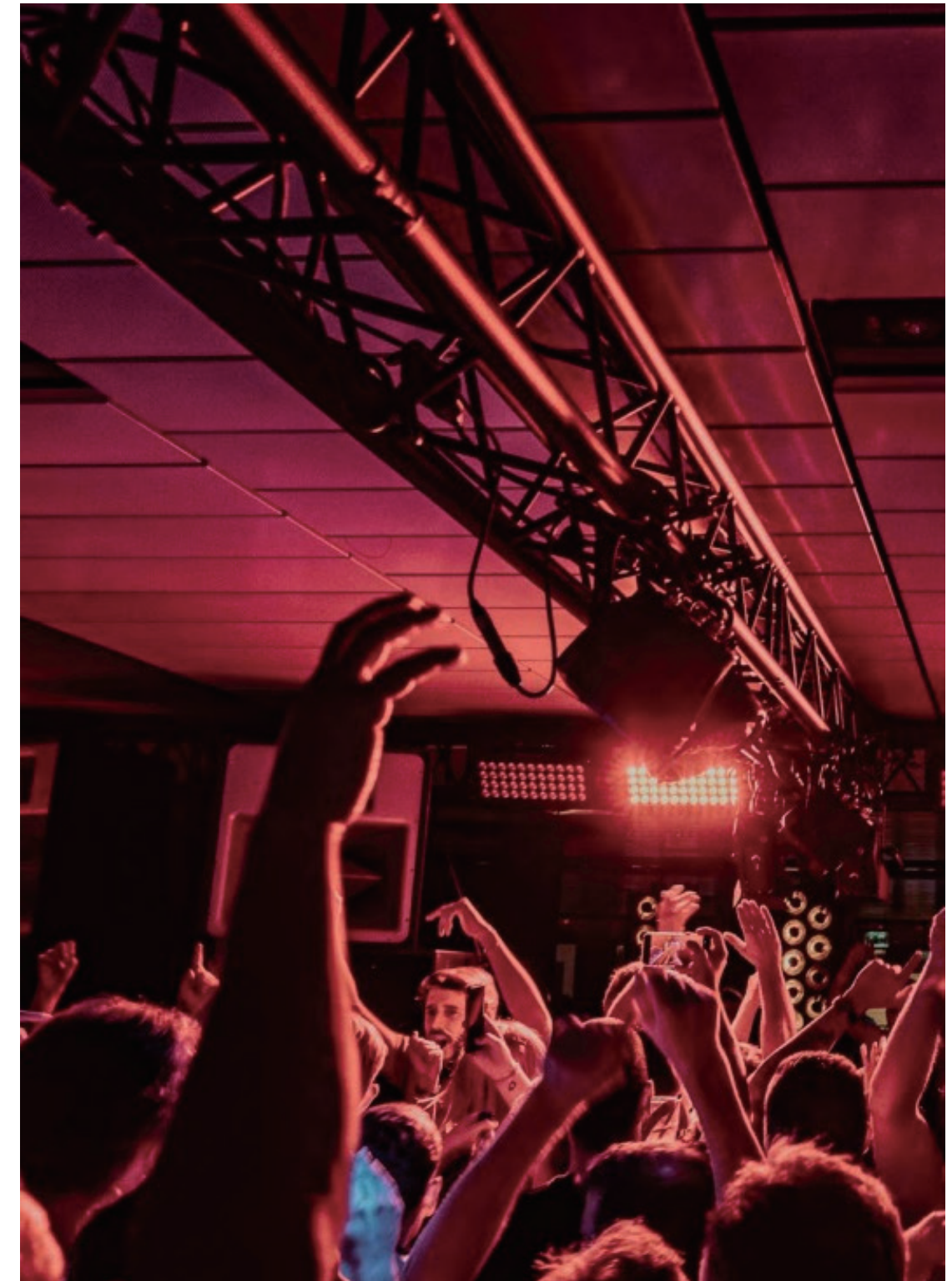
I was chased by a man and had to take a detour to get home.

Yes—drunk people yelling, and so on.

Then Let's Talk About NIGHTTIME Economy

1.4. Uneven Nightscape, Unequal Safety – Centralized economy vs. marginalized safety

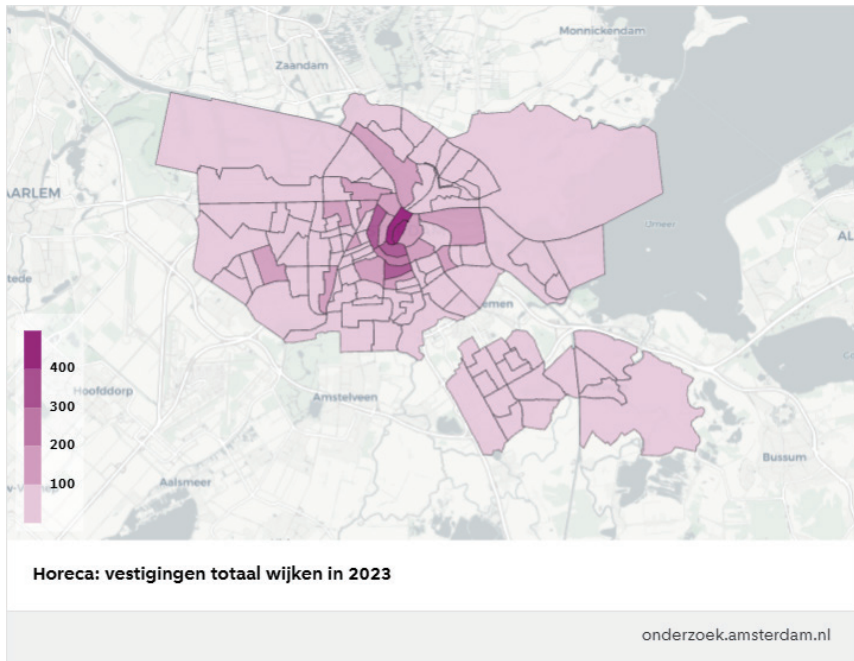
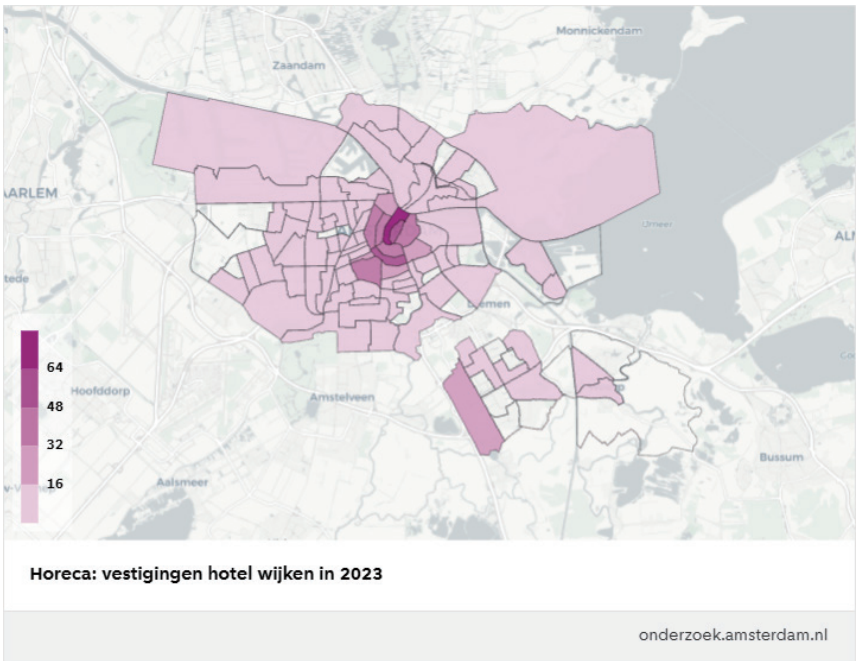
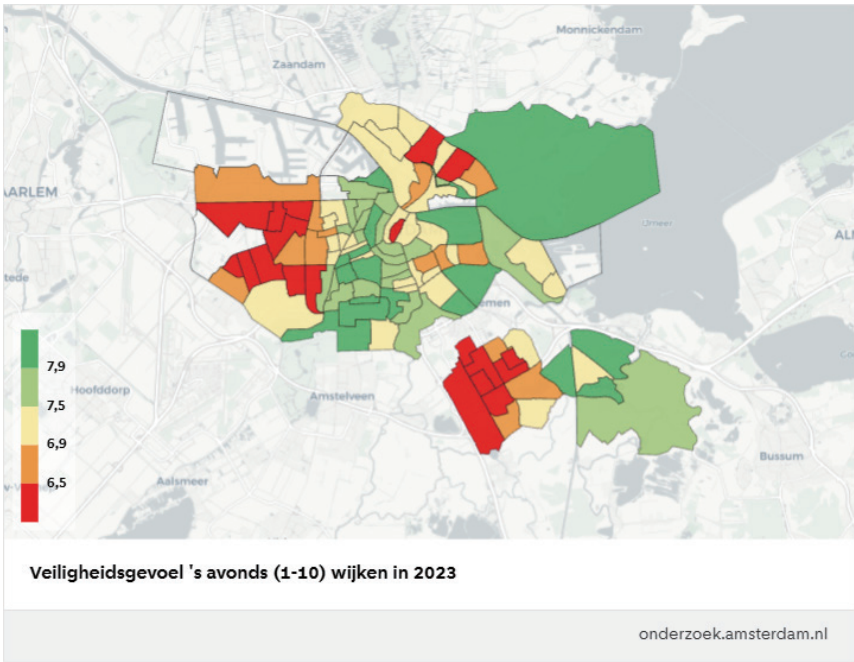
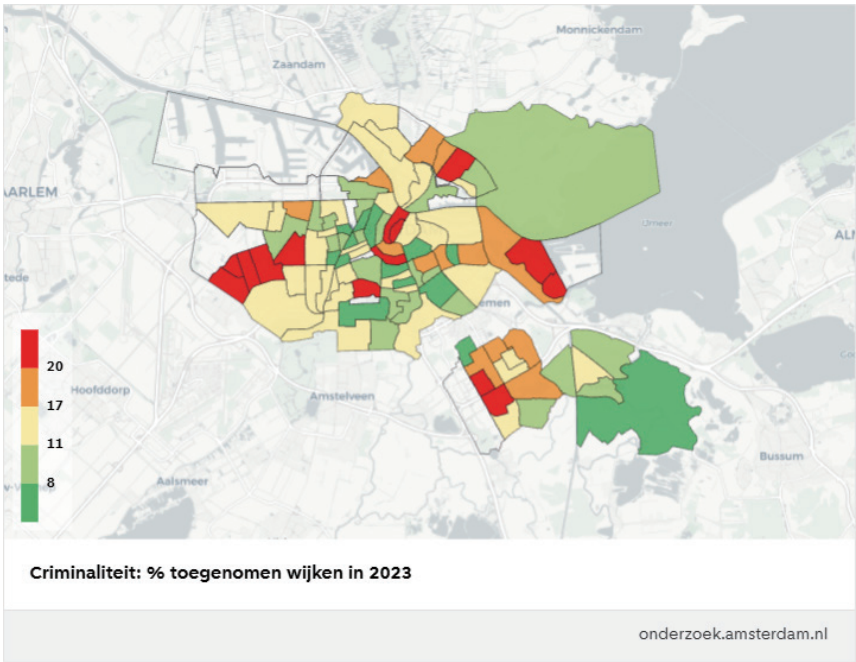
Amsterdam's nightlife industry is a vital contributor to the local economy. With **approximately 500 establishments** dedicated to nighttime activities, the sector generates around **5,000 jobs**. The city's rich cultural offerings attract **1.5 million visitors** annually, with these tourists injecting approximately **€1.25 billion** into the economy through festivals, clubs, and other nightlife activities. (World Cities Culture Report , 2022)



SOURCE: Space for
night culture
Future of the Amsterdam Night, 2024

1.5 Uneven Nightscape, Unequal Safety
– Centralized economy vs. marginalized safety

Is there any correlation
between the two?

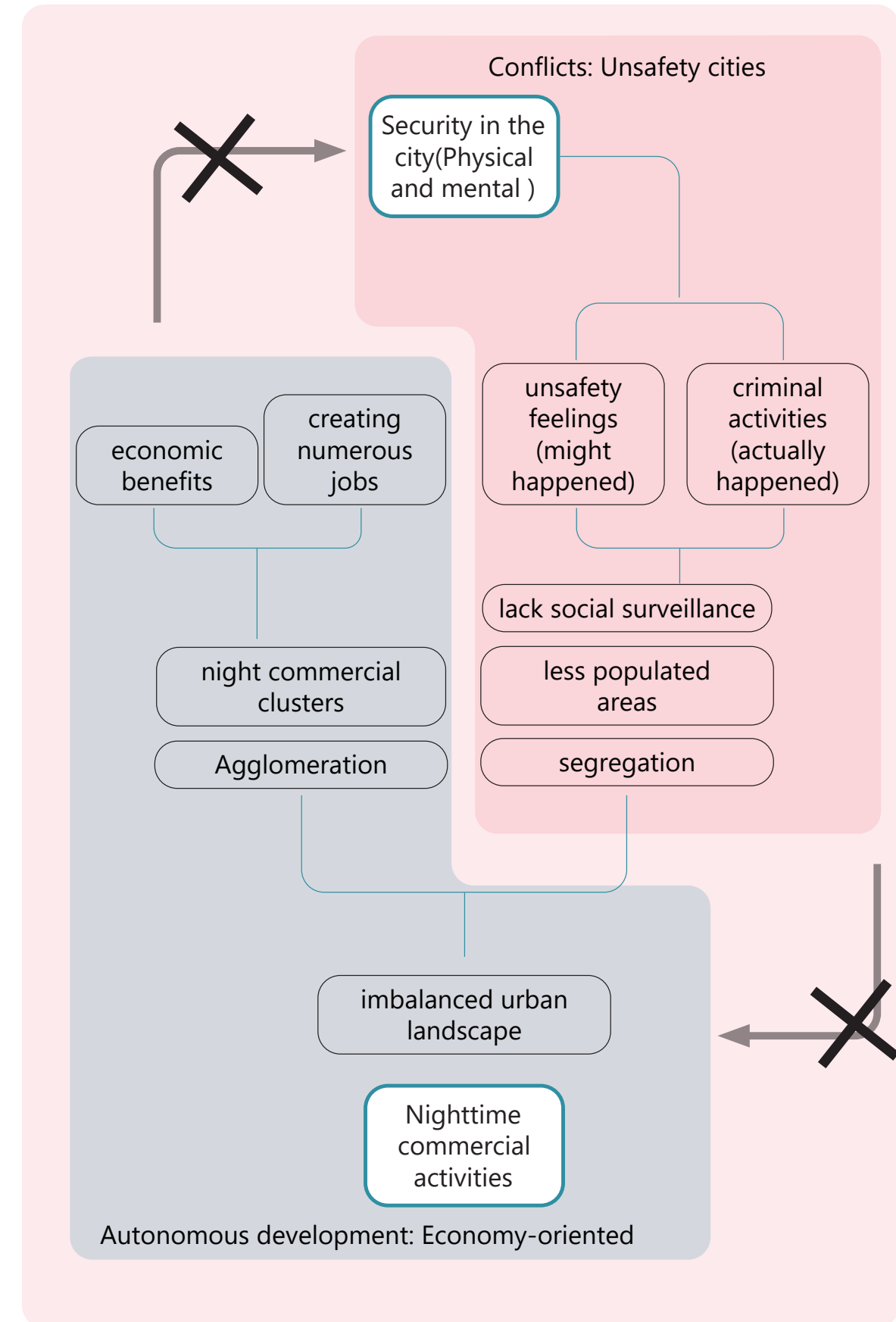


<https://miro.com/app/board/uXjVP3YKZ9M=?moveToWidget=3458764604314933765&cot=14>

2.Structure

2.1. Problem & Potential

– Defining the contradiction between safety and market-led development



2.2. Research Questions

– From one question to What / Where

How can nighttime economic activities enhance the security of public spaces during nighttime?

What

What types of nighttime economic activities contribute to public safety/lack of safety?

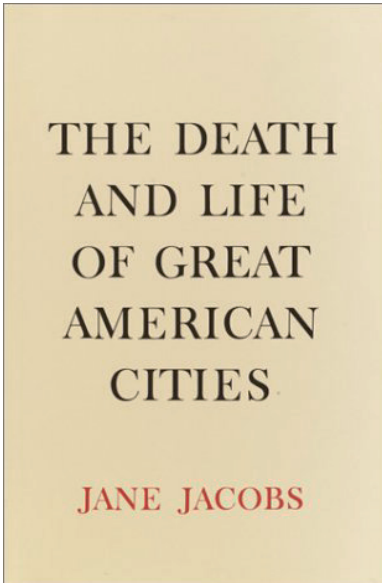
What specific factors help transform public spaces into safer environments at night?

Where

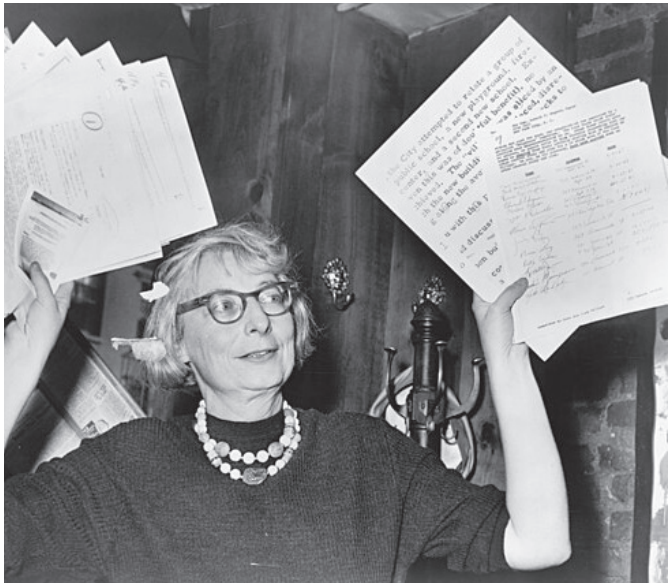
Where are the unsafe areas?

Where are nighttime economic activities concentrated

2.3. Theoretical Framework
– Public space, data, and Nighttime economic



Source: https://en.wikipedia.org/wiki/Jane_Jacobs#



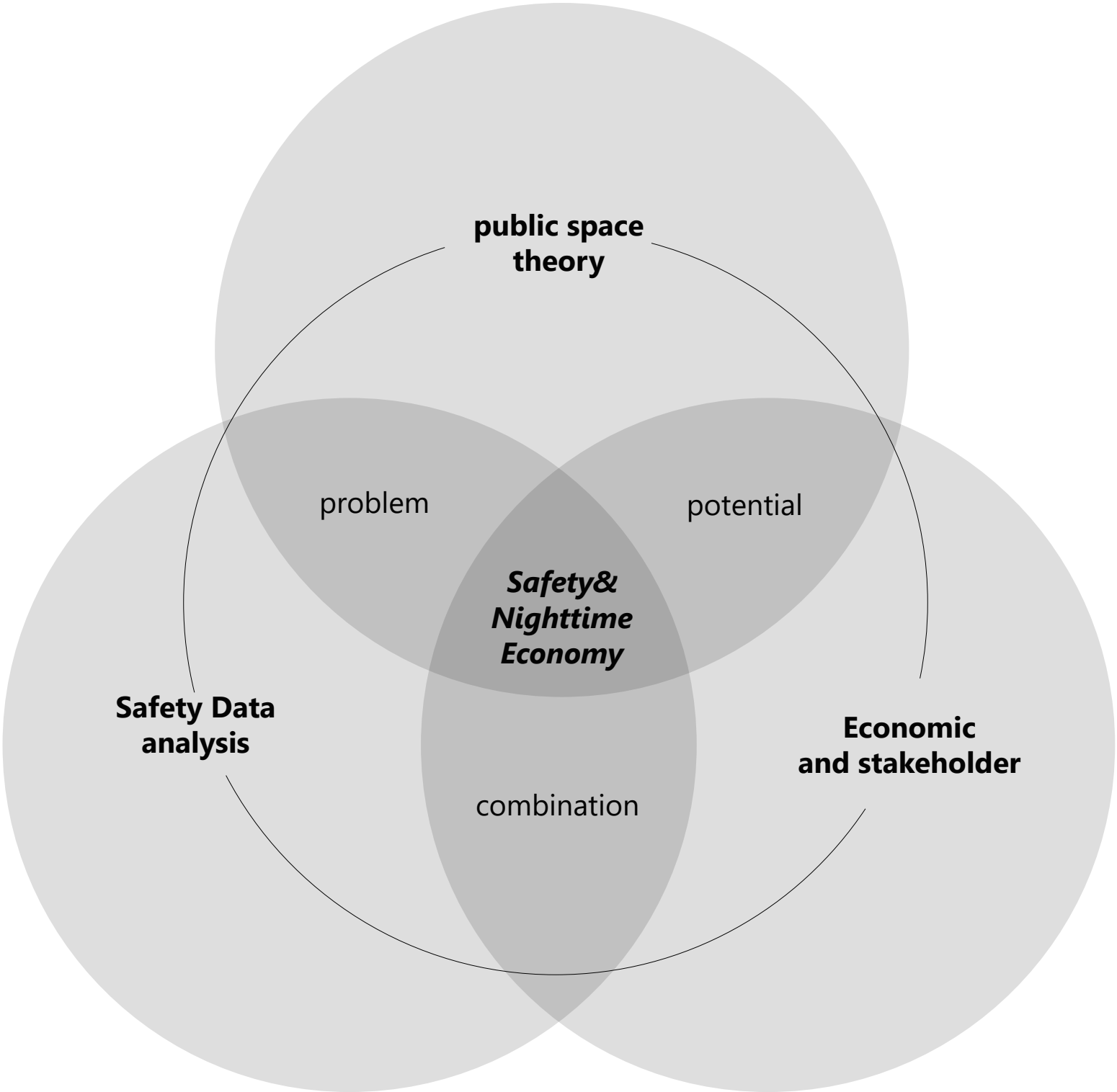
Jacobs as chair of a Greenwich Village civic group at a 1961 press conference
Source: https://en.wikipedia.org/wiki/Jane_Jacobs#



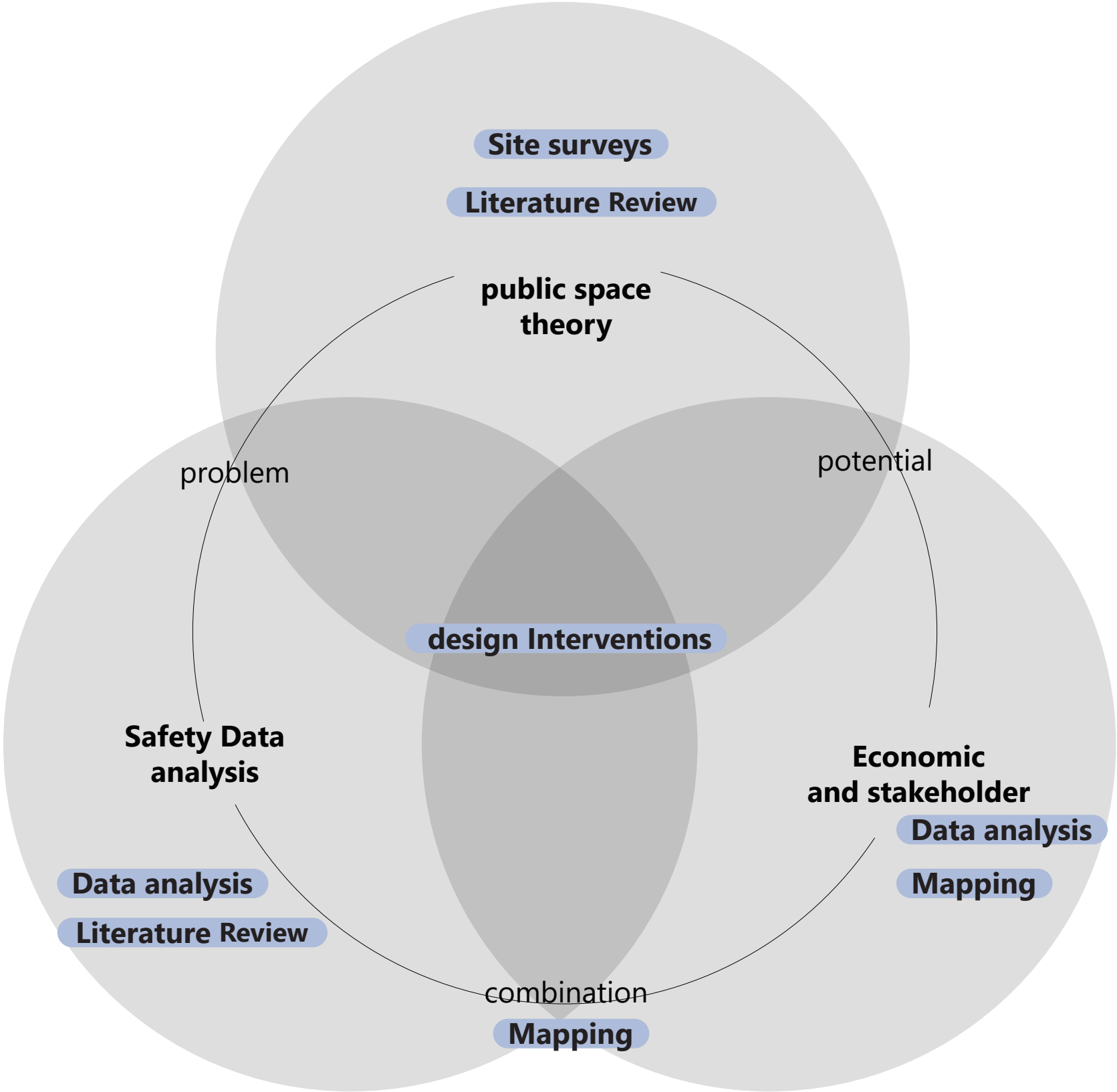
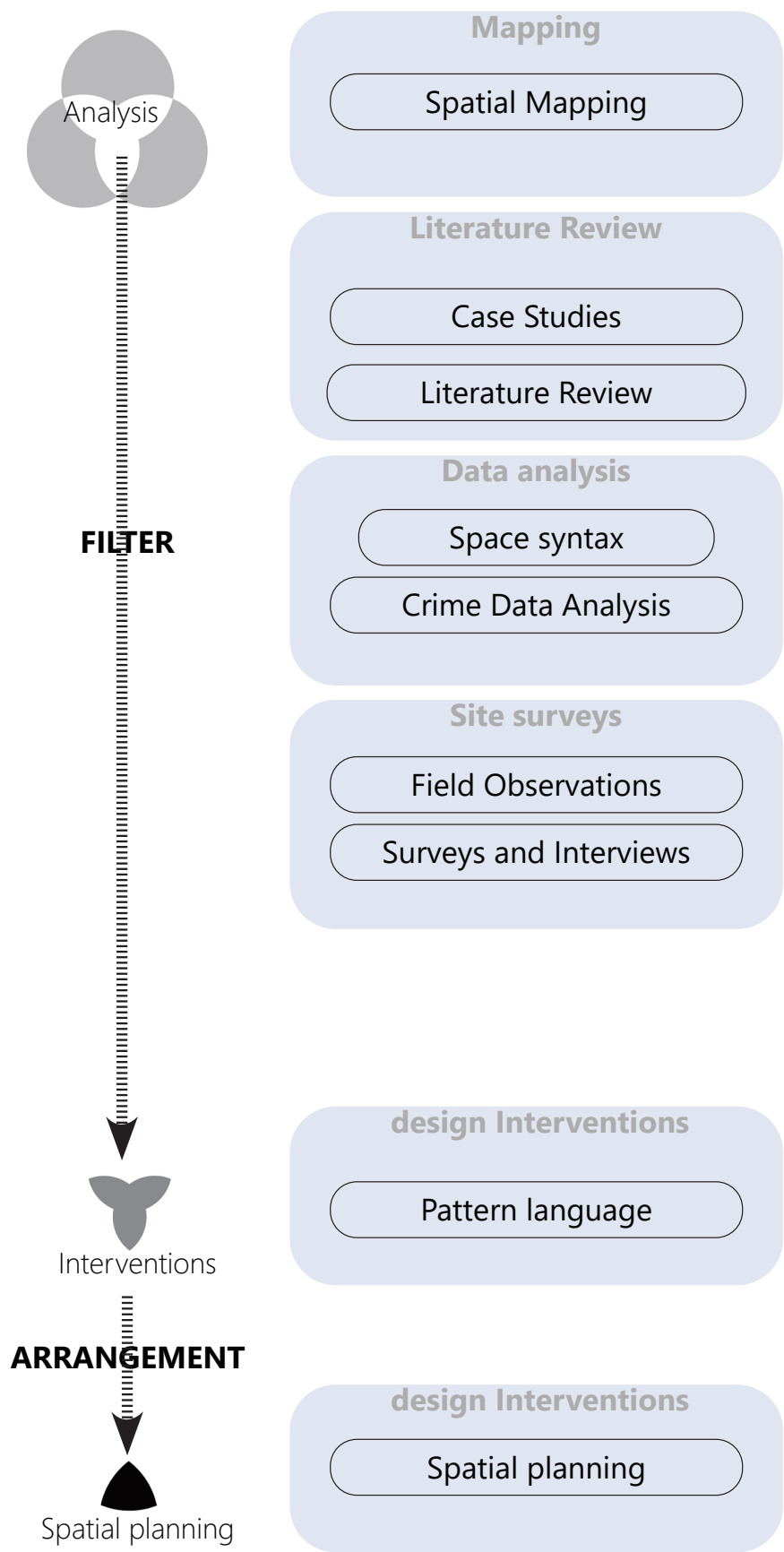
Source:Verantwoording Veiligheidsindexen 2021



Source:Space for night culture
Future of the Amsterdam Night



2.4.Methodology framework



2.5.Study Framework

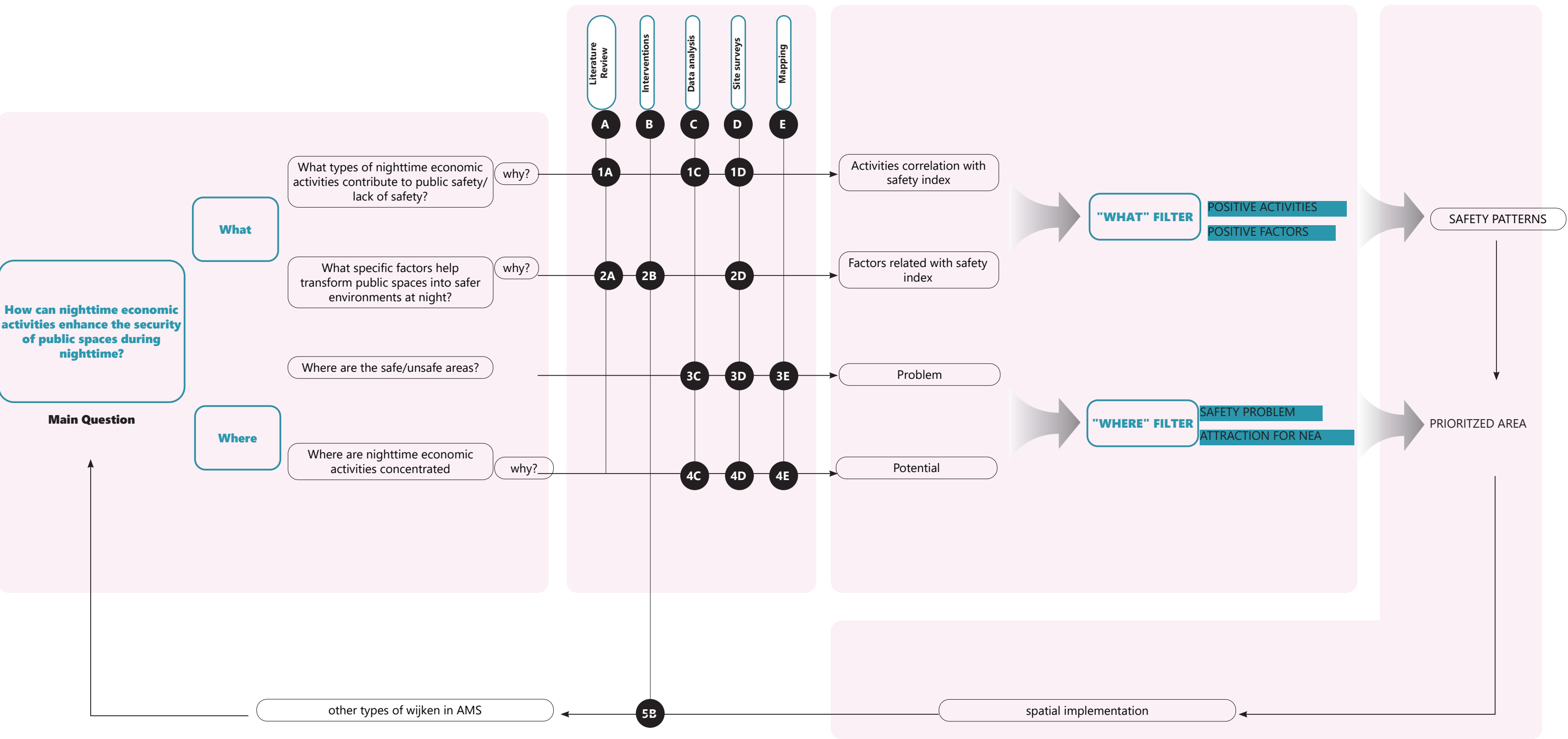
– From analysis to intervention

Research Question

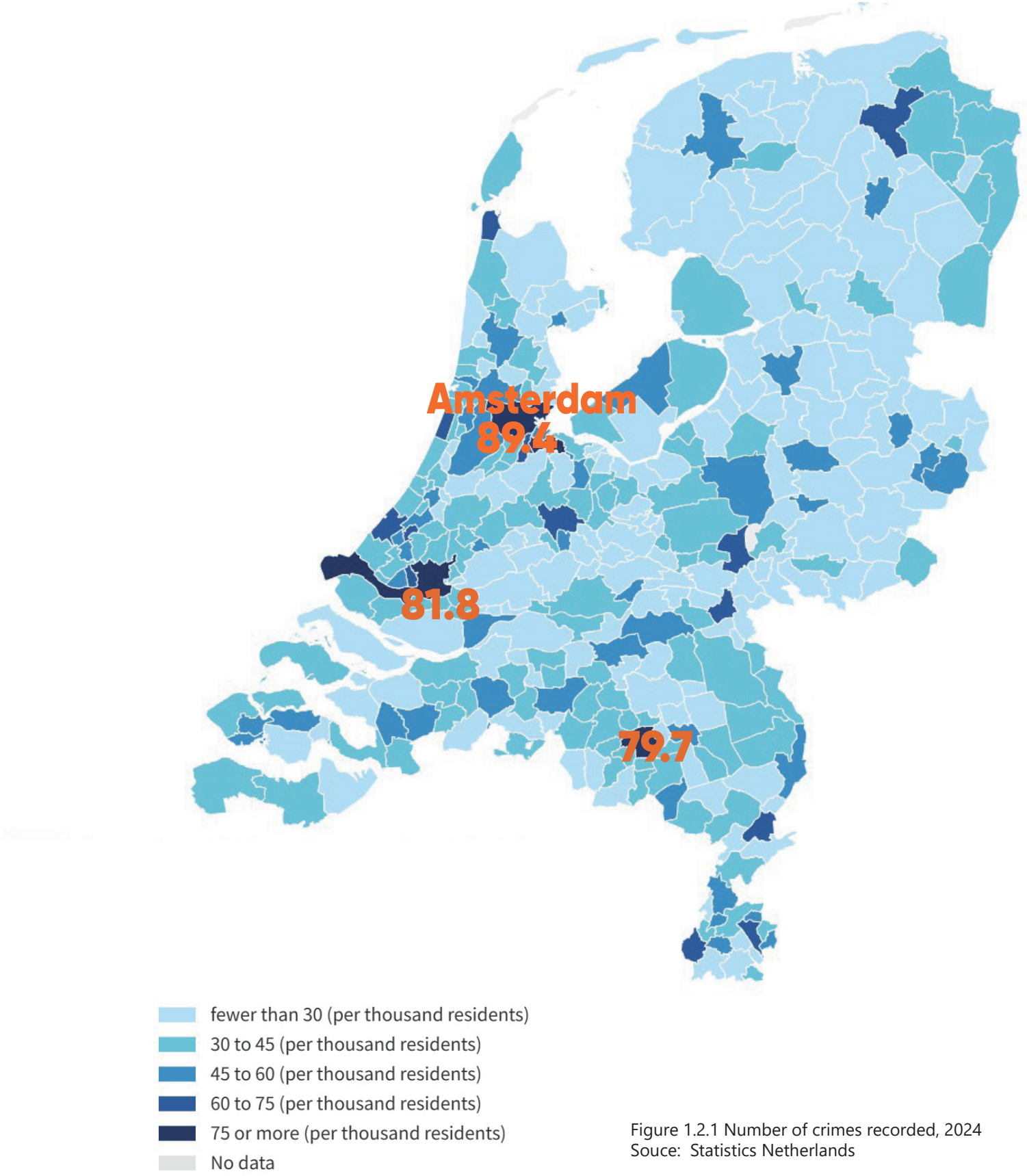
Methodology

Analysis

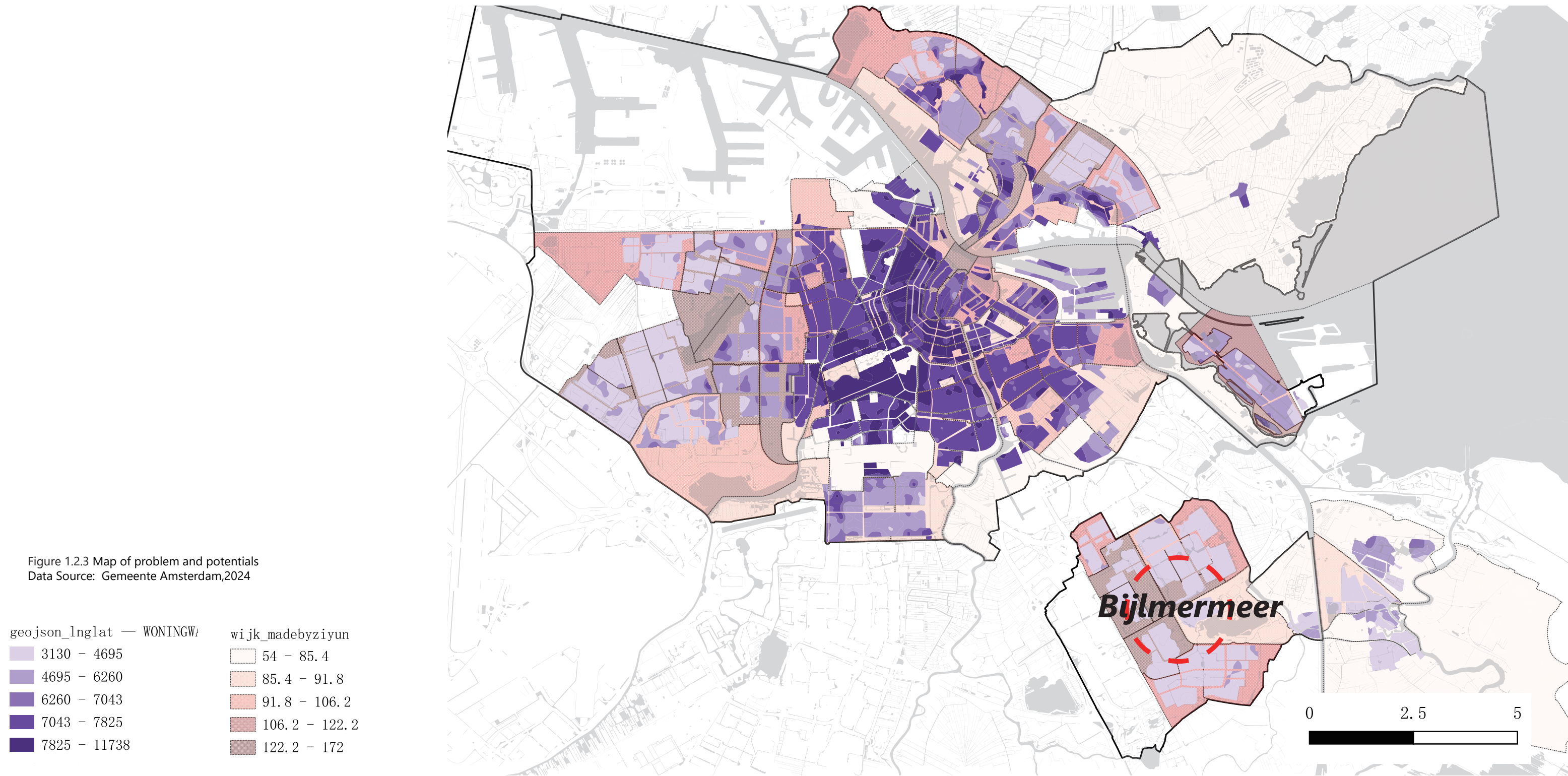
Pilot Project



WHY AMSTERDAM

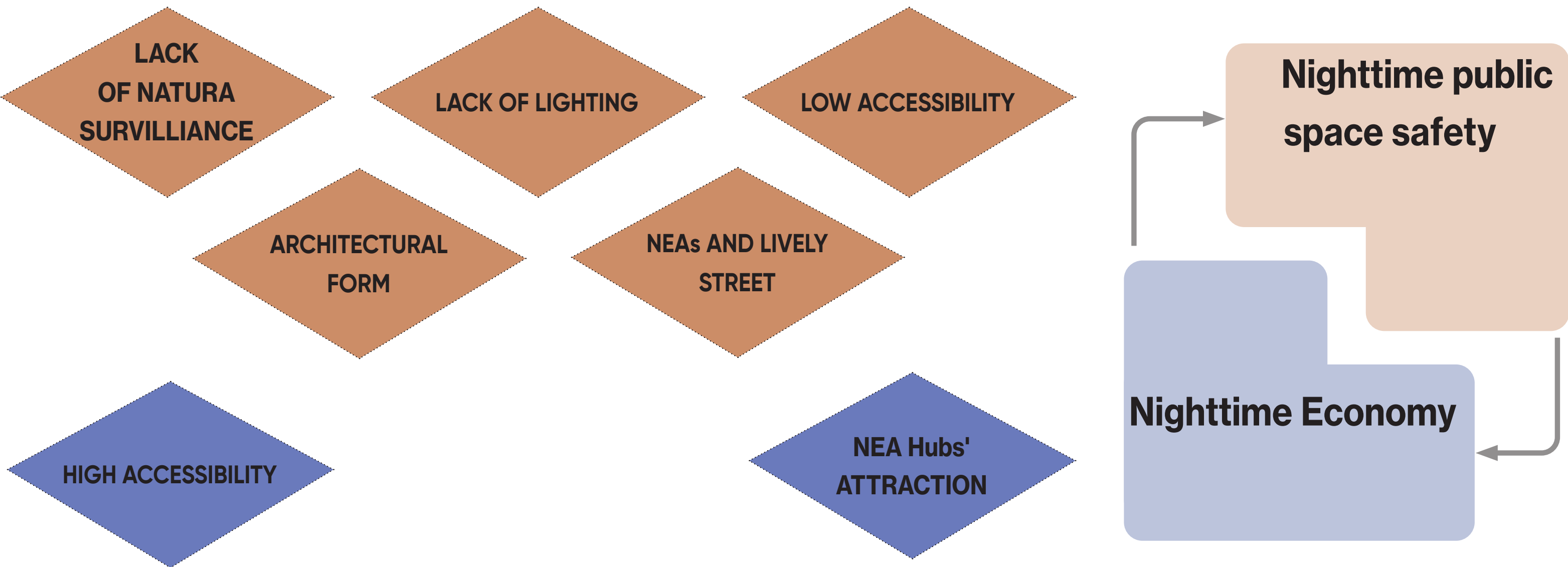


WHY BIJLMERMEER

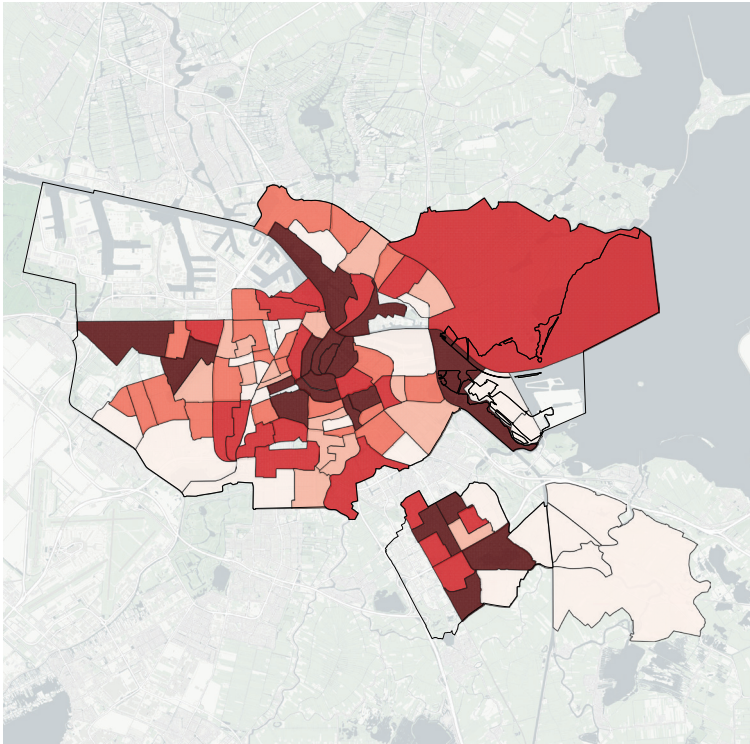


3. Research

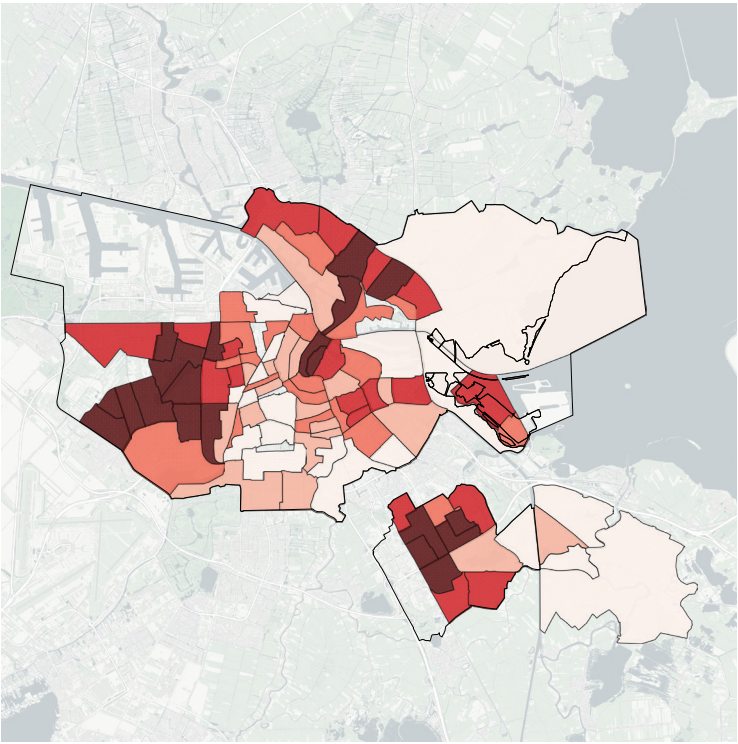
3.1 LITERATURE REVIEW



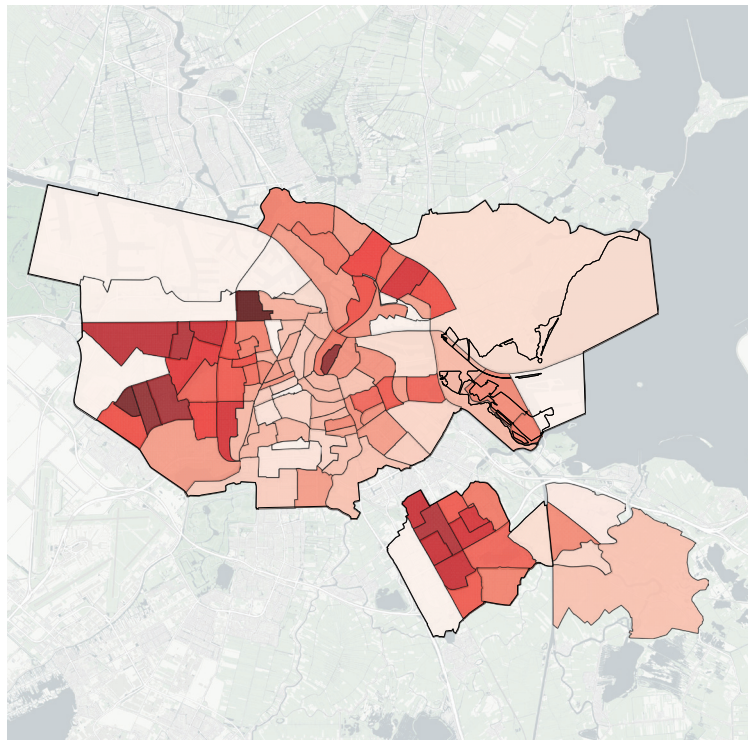
3.2 DATA ANALYSIS



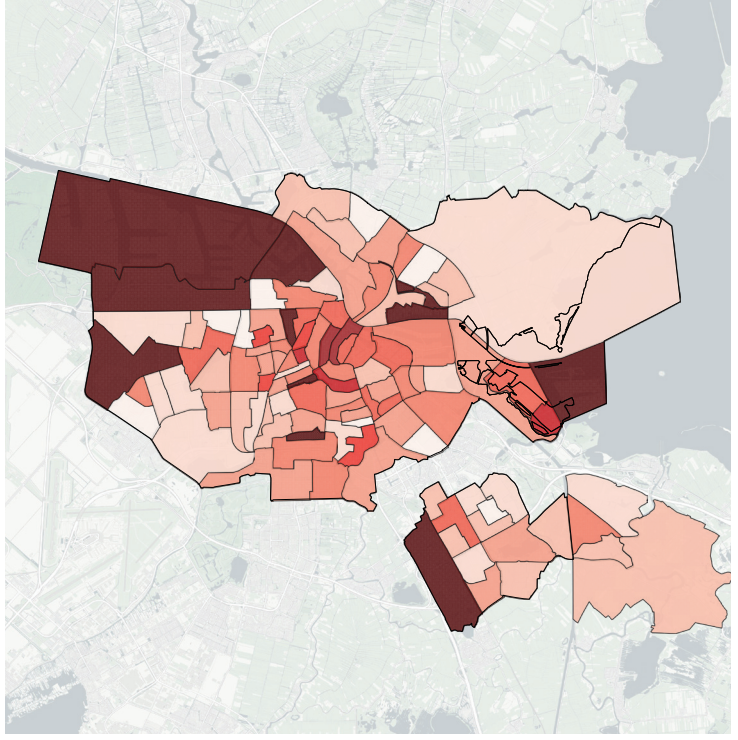
registered crime



percived safety in evening

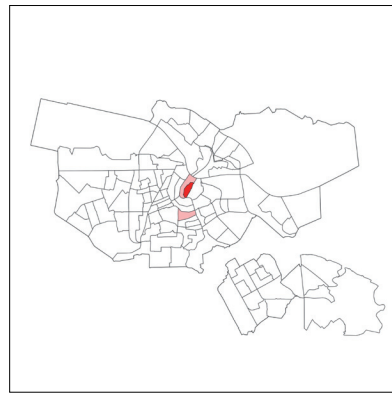


safety nuisance

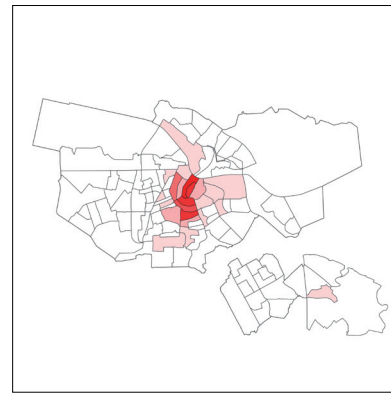


sexual crime

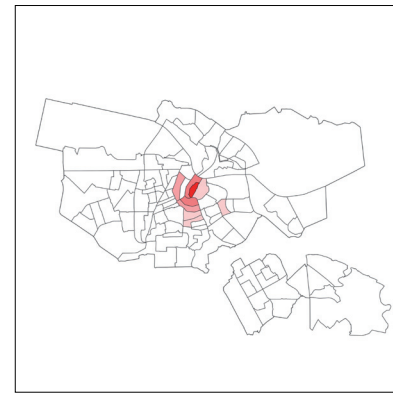
Figure 3.2.5 Spatialized safety index Amsterdam
Made by Author
Data Source: onderzoek.amsterdam.nl



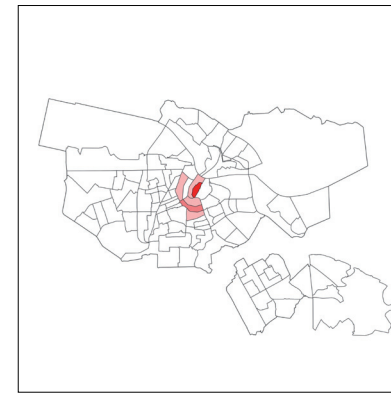
Prostitute



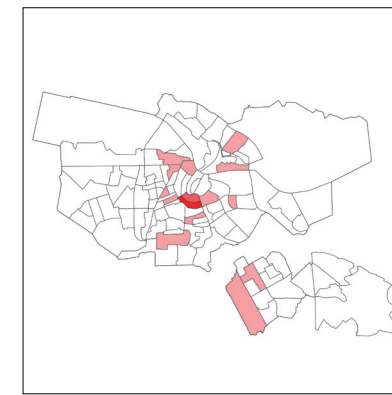
Restaurant



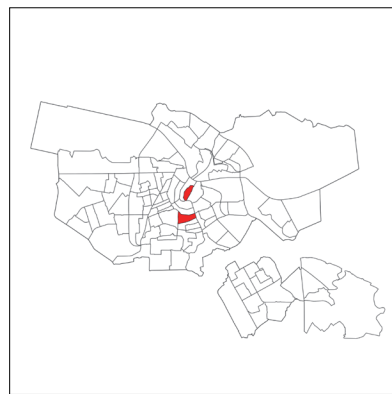
Pub



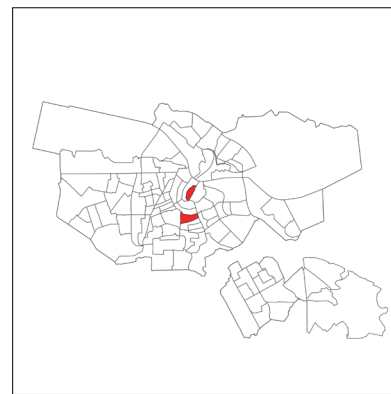
Bar



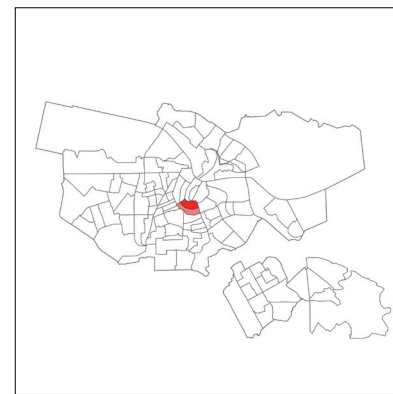
cinema



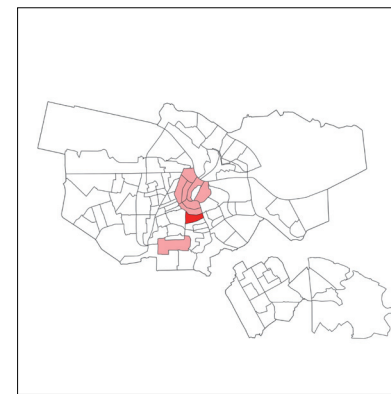
laundry



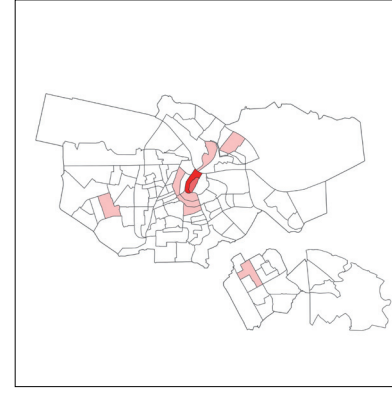
stripclub



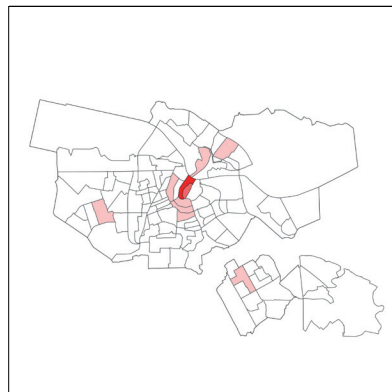
nightclub



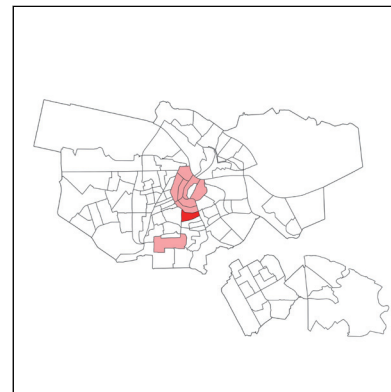
coffeeshop



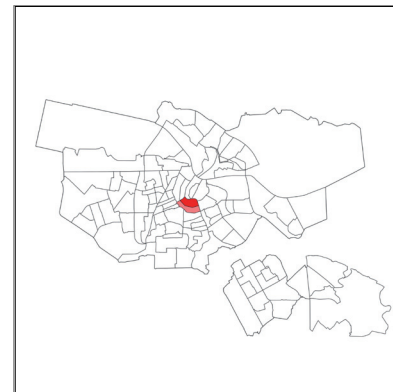
fastfood



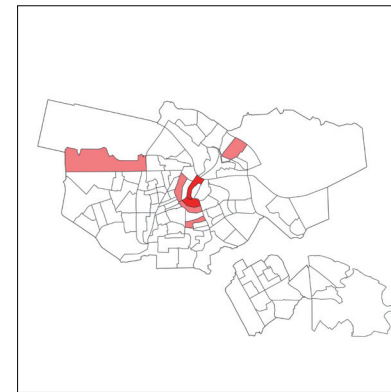
gym/fitness
training



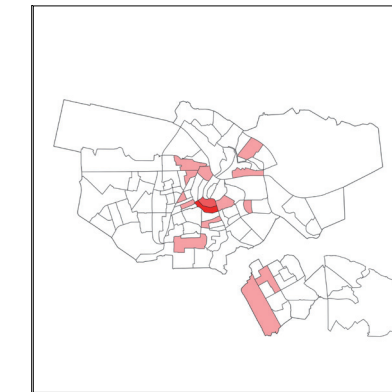
supermarket



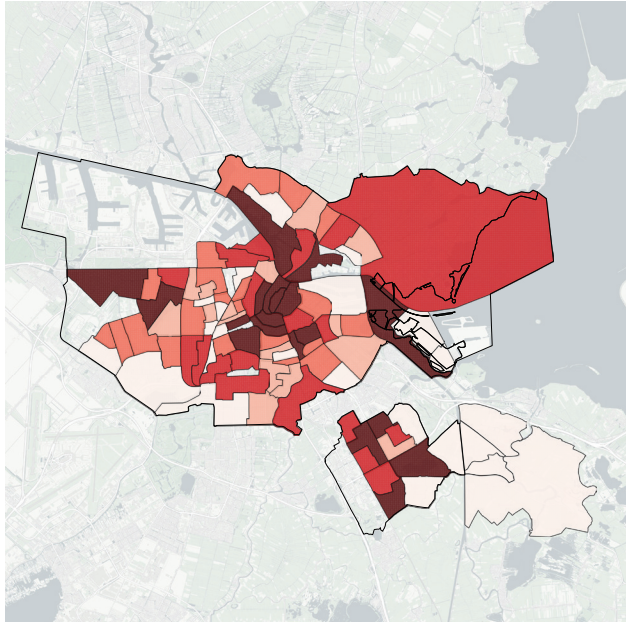
massage



casino

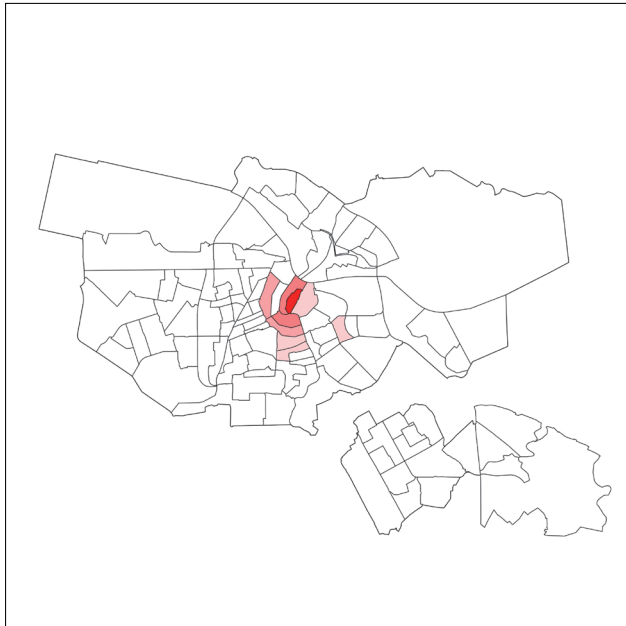


hotel



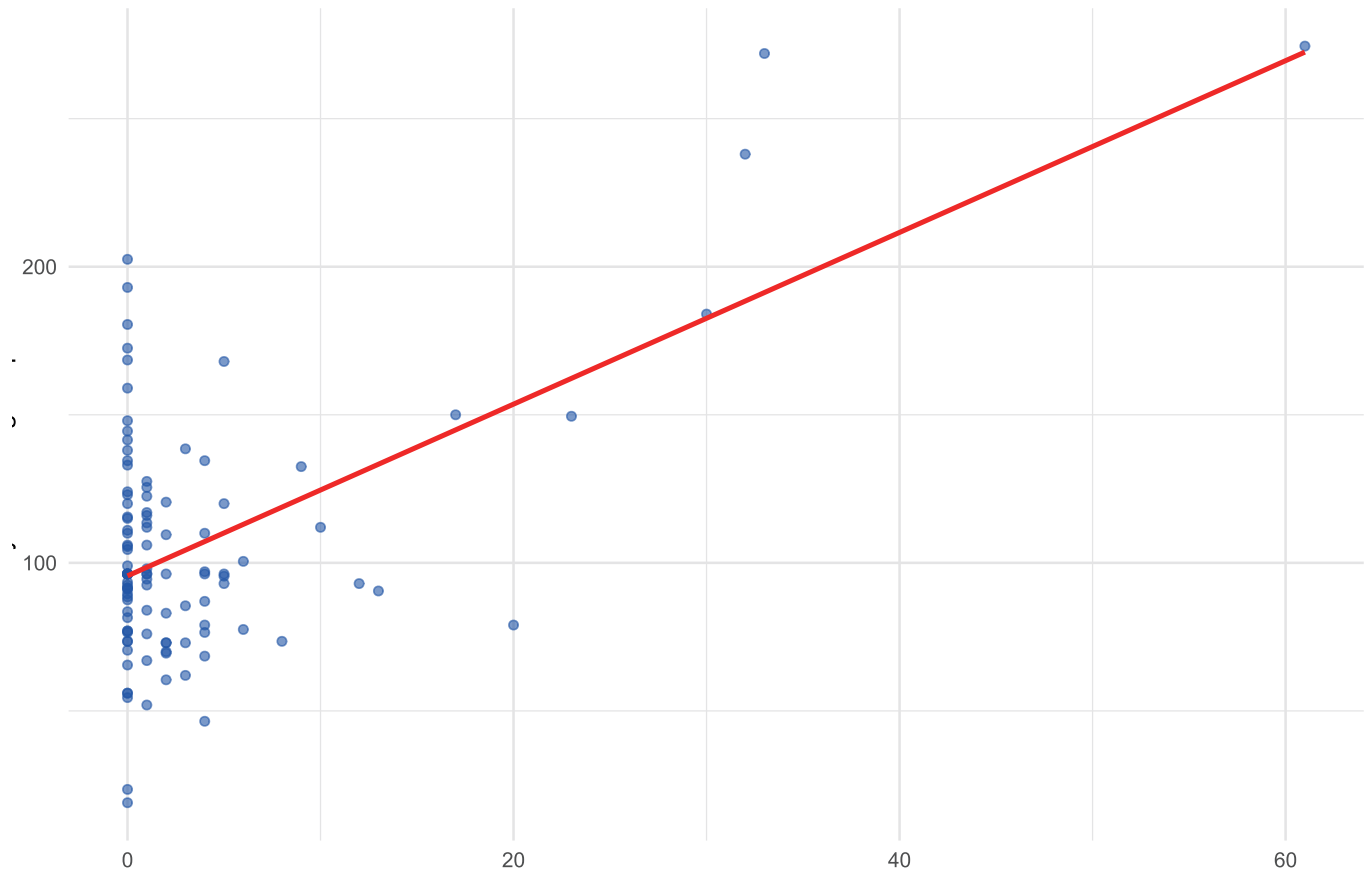
registered crime rate

registered crime



number of Pubs

Pub



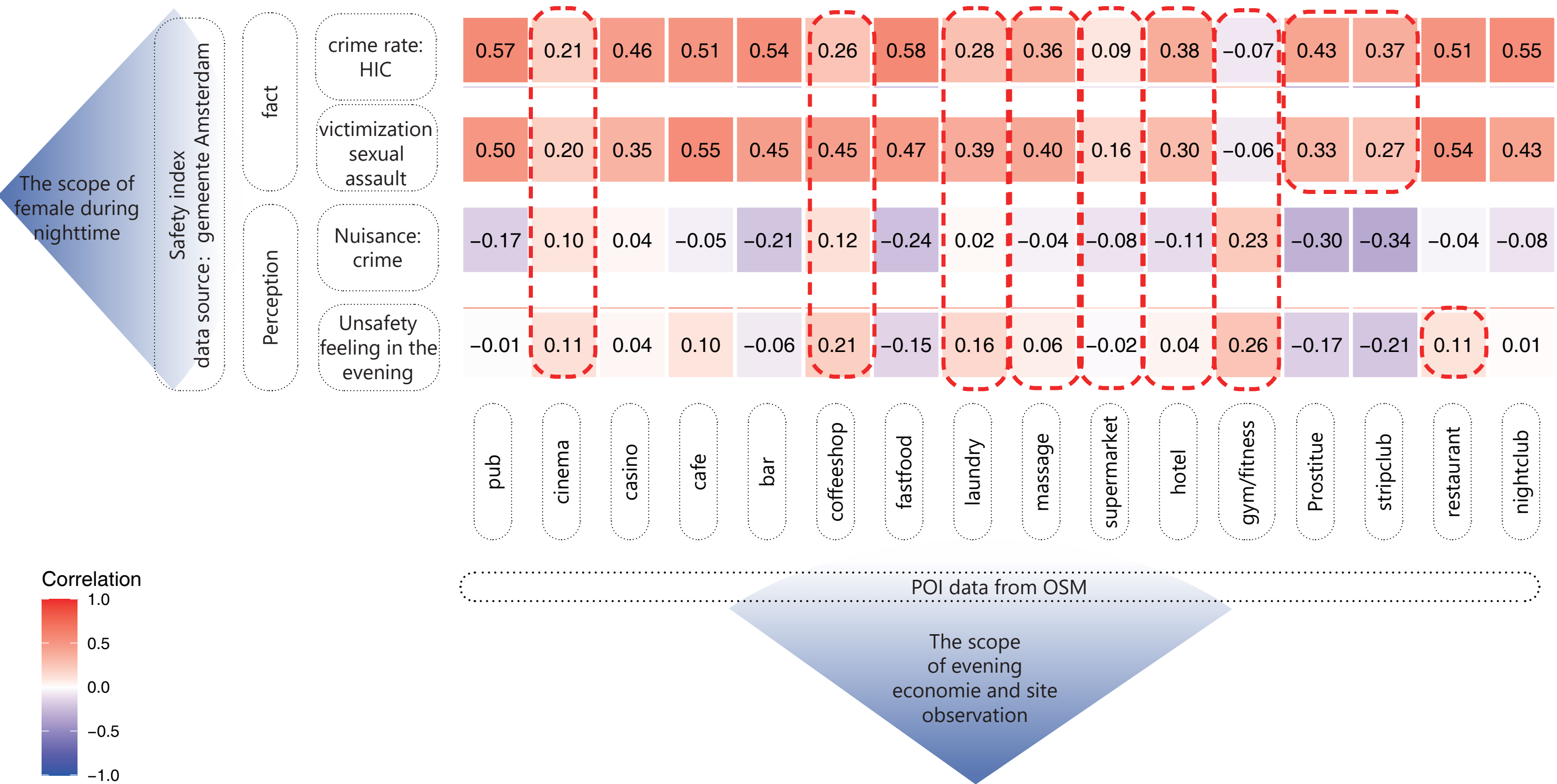


Figure 3.2.3 Correlation analysis result: NEA and Safety index
Made by Author
Data Source1: onderzoek.amsterdam.nl
Data Source2: Open Street Map

3.3 SITE SURVEY



Figure 3.3.1 Five types of Building Facades
Made by Author
Source: google street map



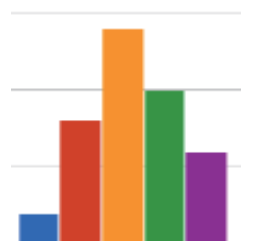
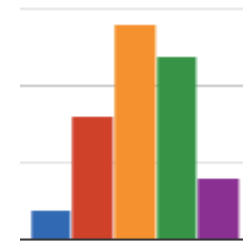
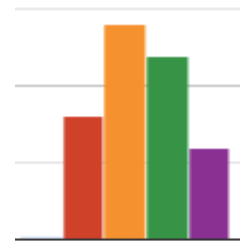
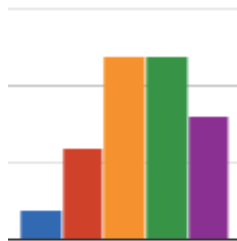
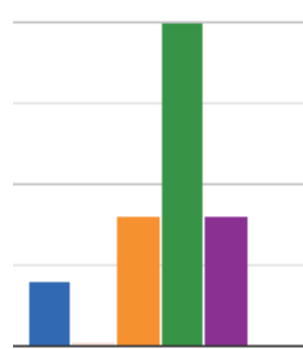
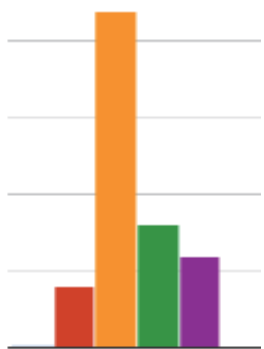
A

B

C

D

E



A
4.0

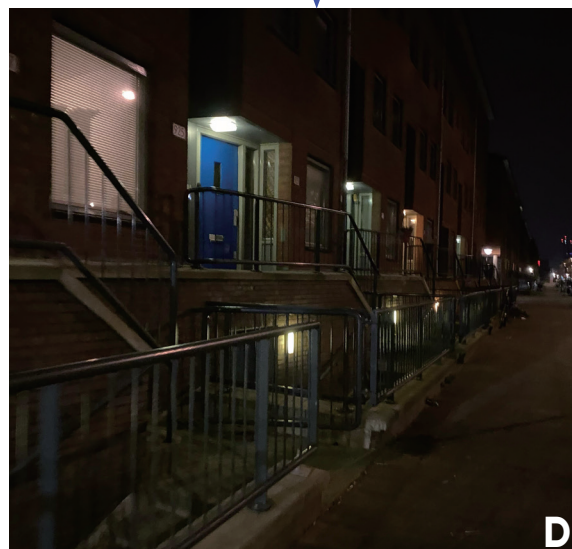
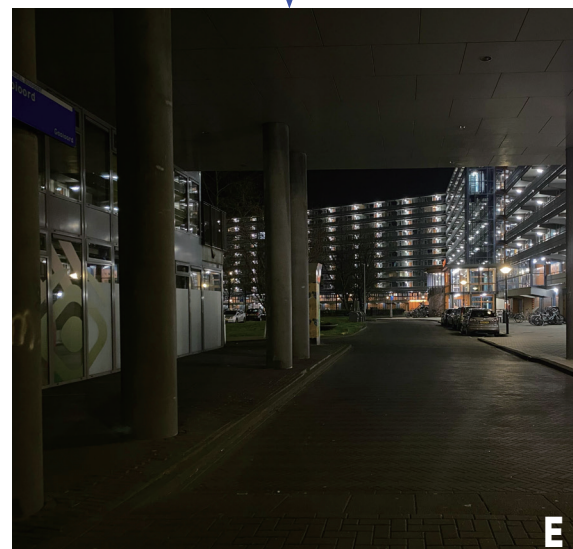
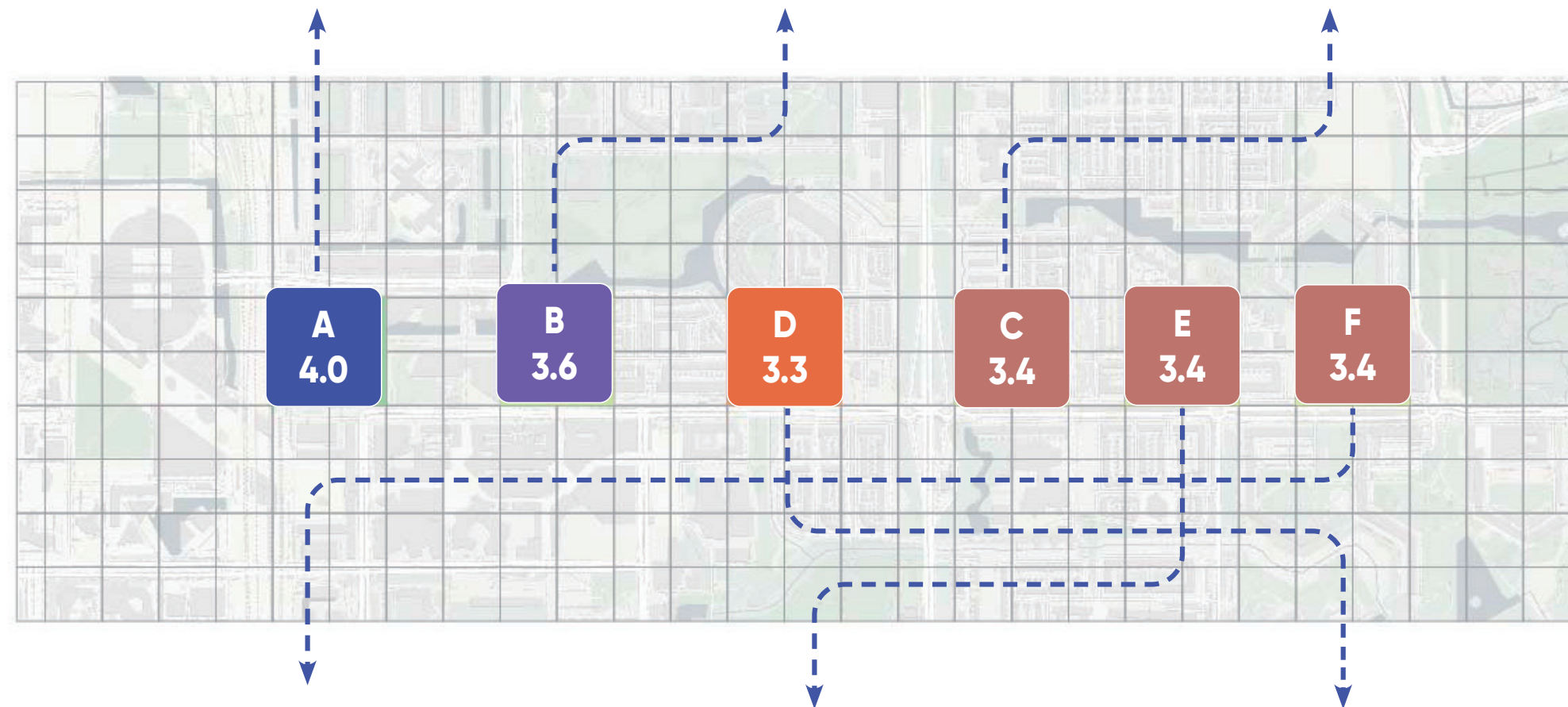
B
3.6

C
3.4

D
3.3

E
3.4

F
3.4



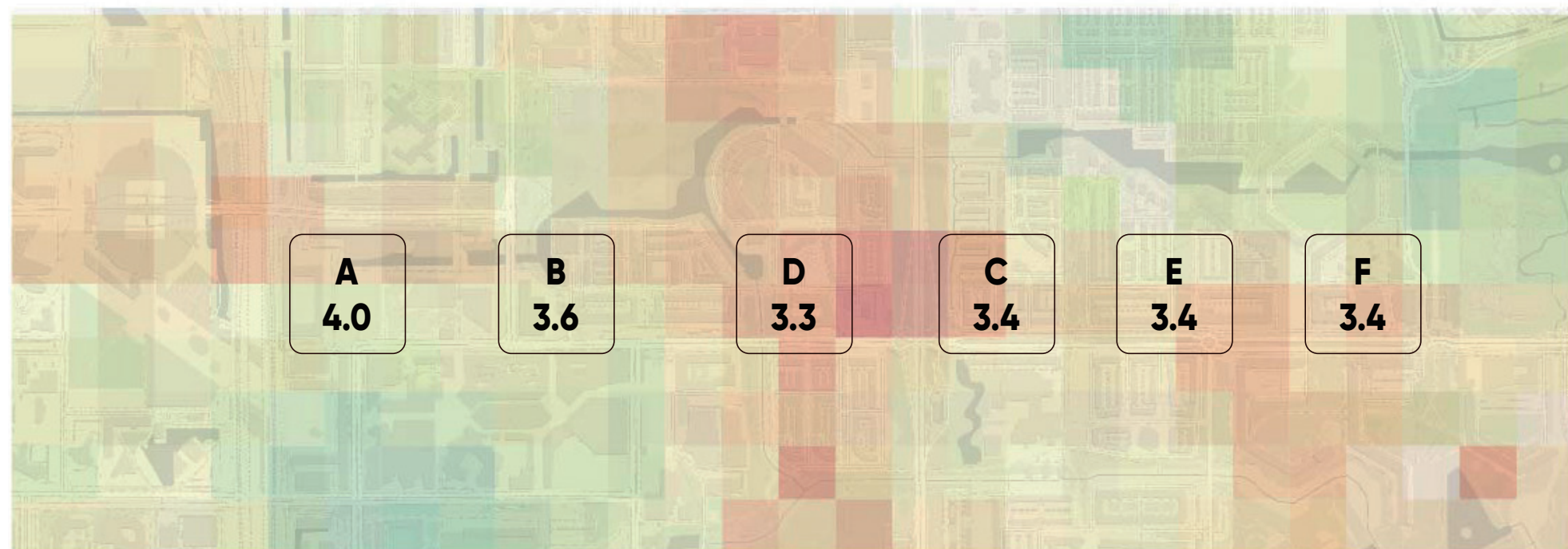
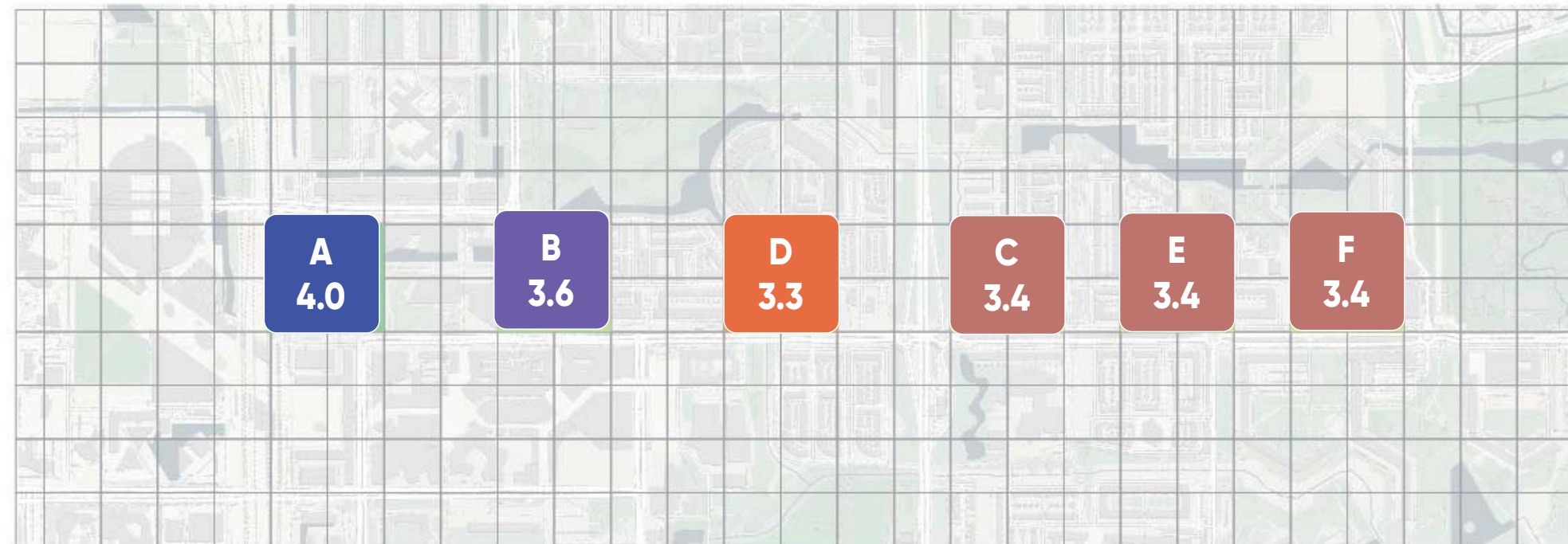
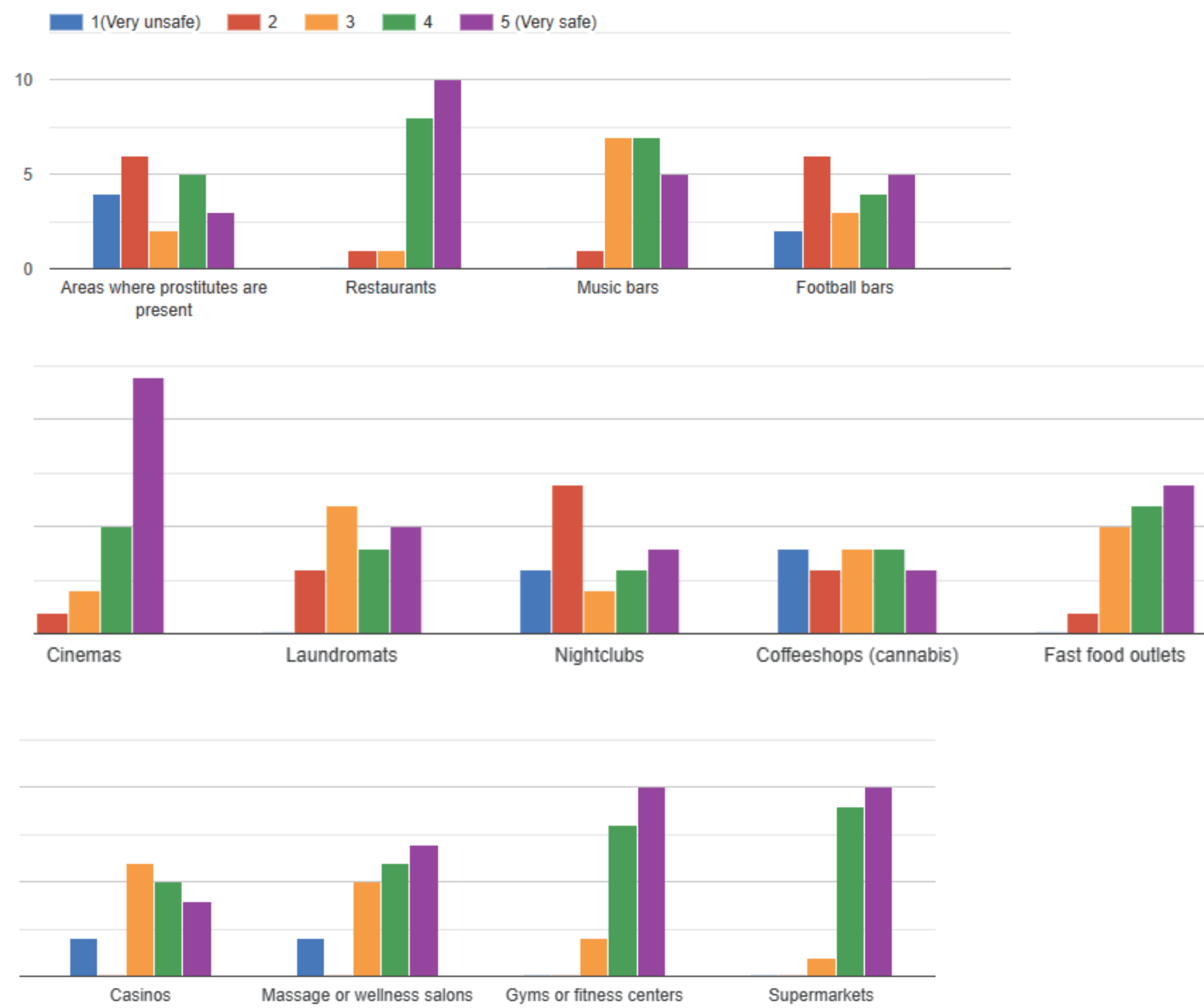
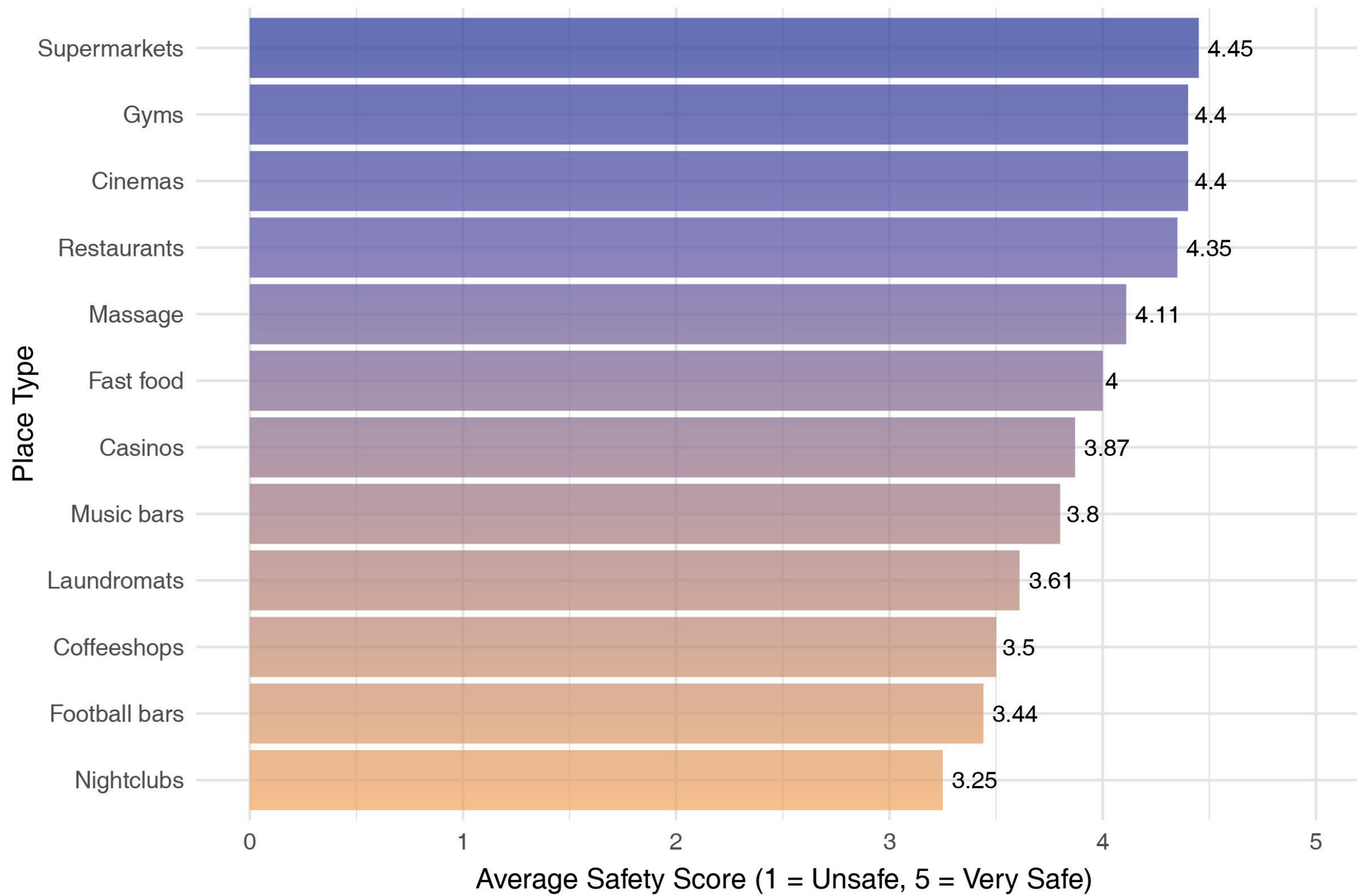


Figure3.3.8 .Perception of safety data.
source: Aimee, n.d.

3.2 How safe do you feel at the following places at night (after 20:00)?



Perceived Safety in Nighttime Places





Prostitute



Restaurant



Pub



Bar



laundry



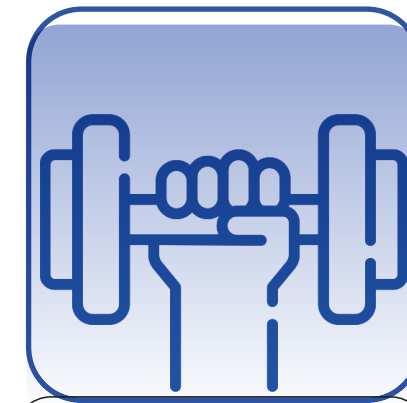
stripclub



nightclub



coffeeshop



gym/fitness
training



supermarket



massage



casino



cinema



fastfood



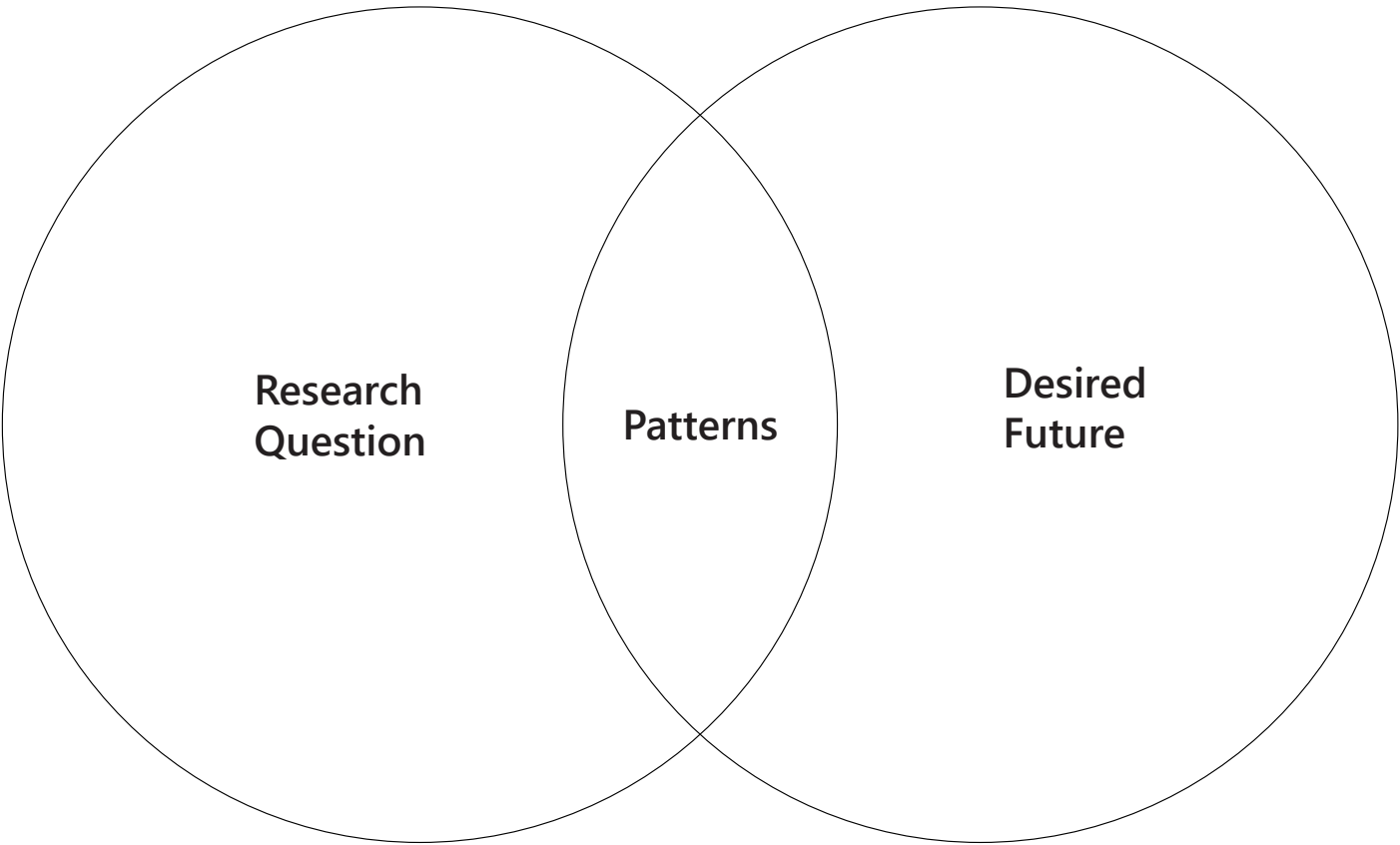
hotel



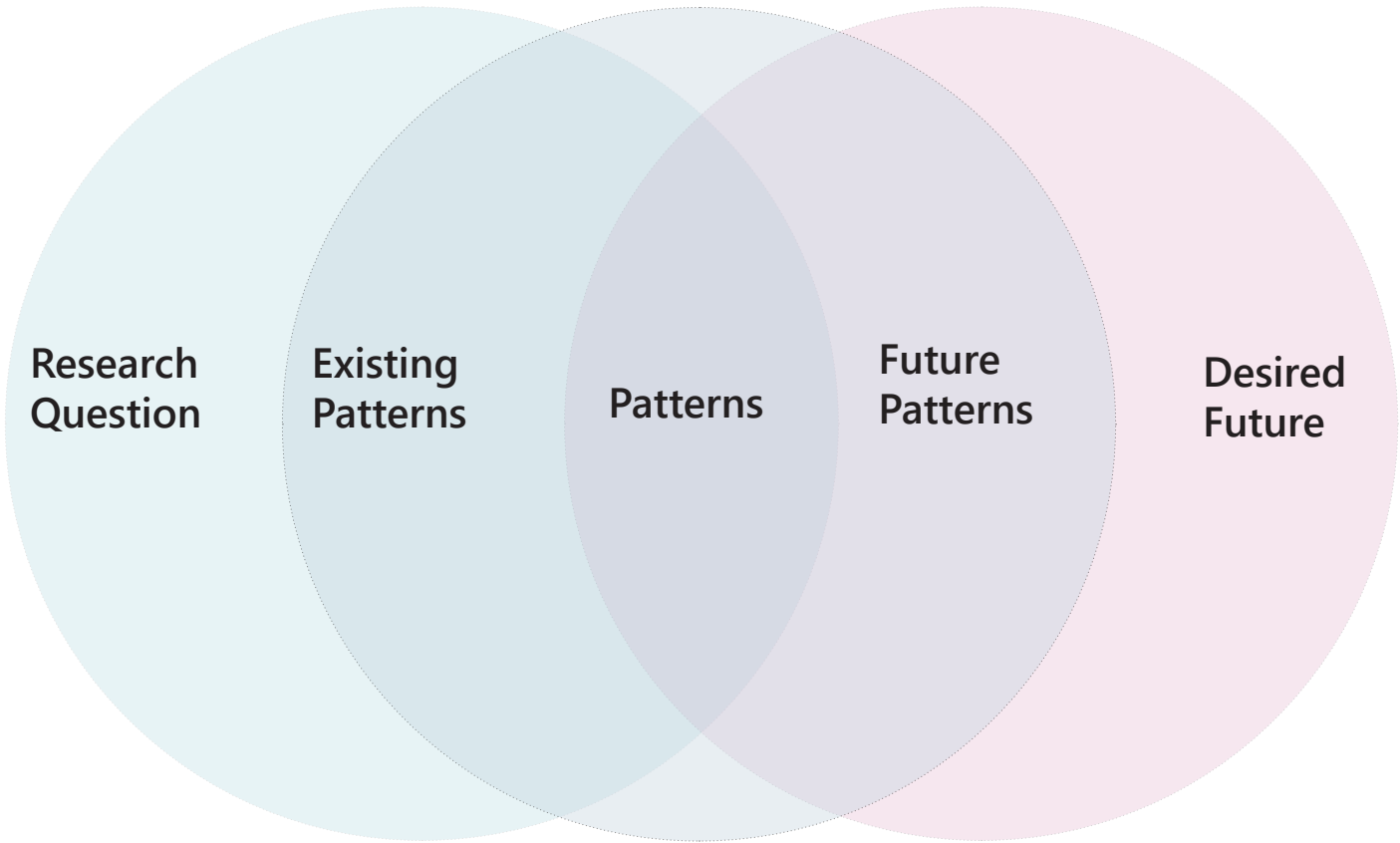
cafe

4. PILOT PROJECT AND INTERVENTION

3.3.3. Pattern Language



Source: de Jonge, T. M., & van der Voordt, D. J. M. (2002). WAYS to study and research urban, architectural and technical design.



3.3.3. Pattern Language conclusion from research

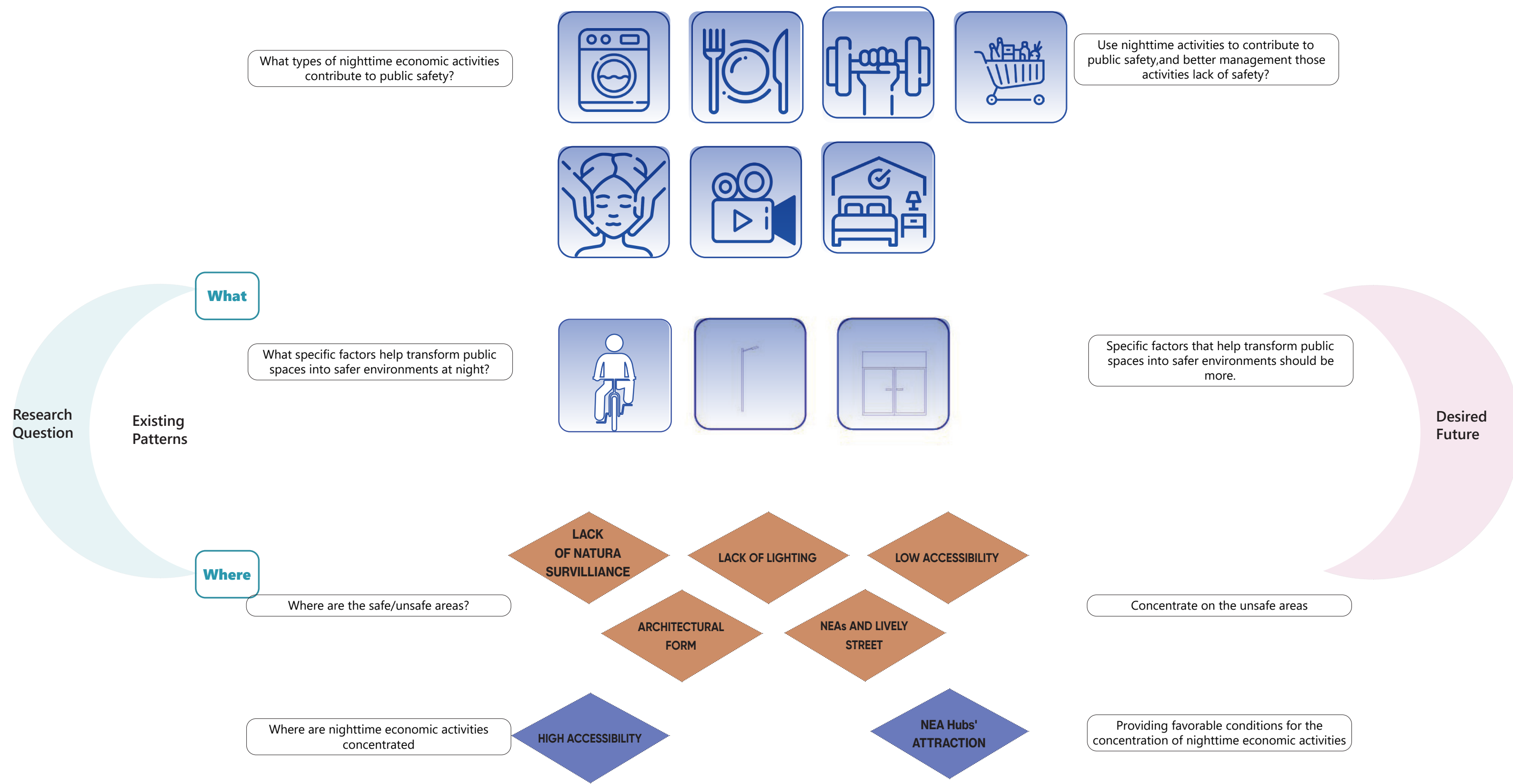
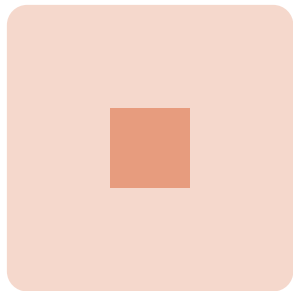
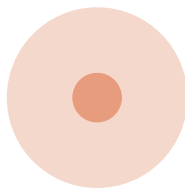


Figure3.4.3.patterns
Made by Author

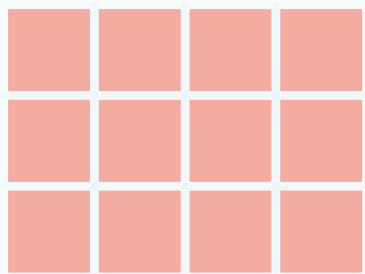
3.3.3. Buffer & Scale Logic
– 25x25m grid as chessboard units



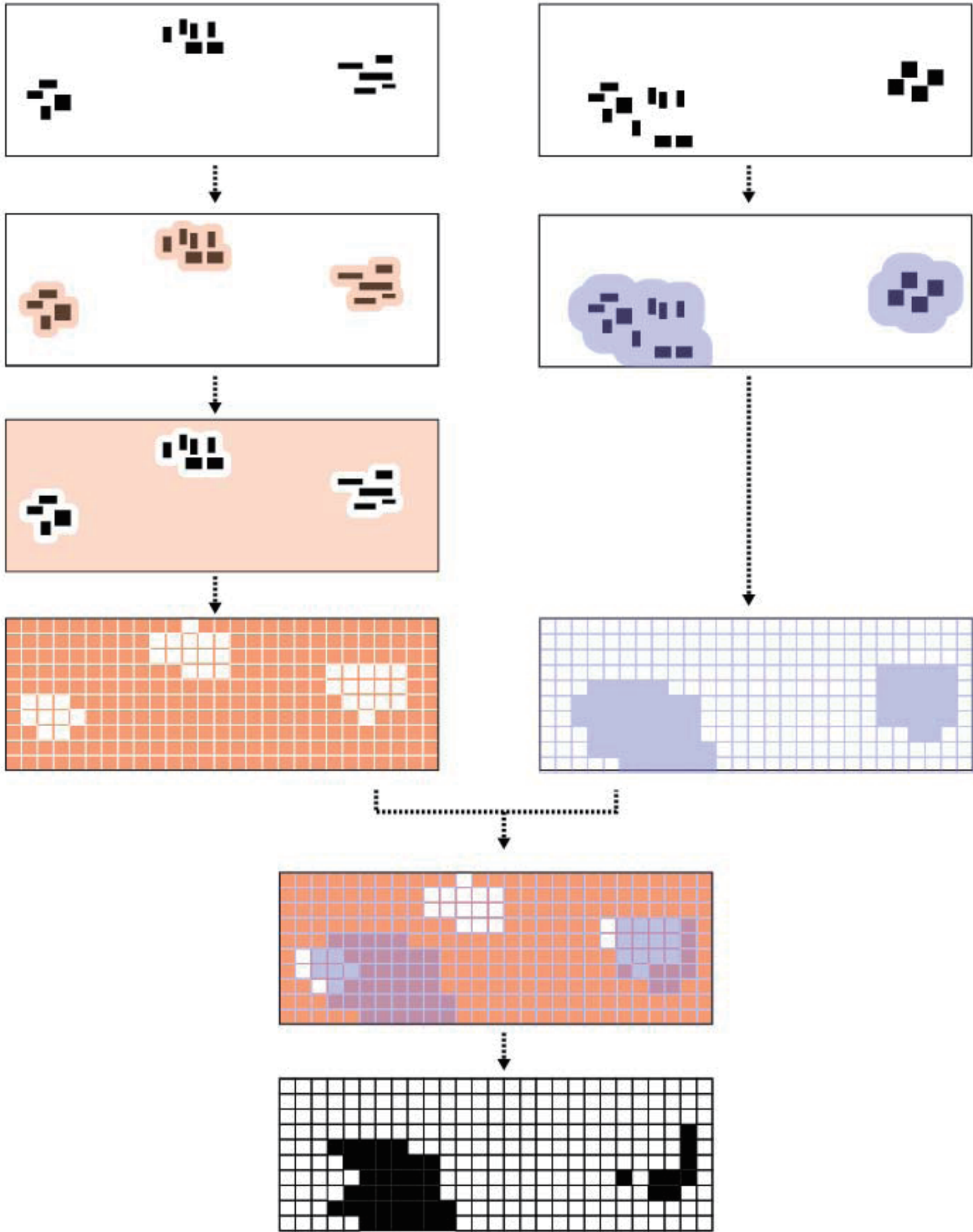
buffer zone-eye sight-
25-50m (Cozens et al., 2005; Painter & Farrington, 1999).



buffer zone-lighting
sphere-20m (Painter & Farrington, 1999).



grid 25m*25m



3.3.4. Surveillance Coverage Map



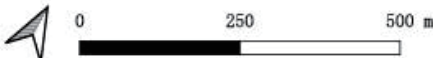
From A-E SAFETY-UNSAFETY

- façade typeA
- façade typeB
- façade typeC
- façade typeD
- façade typeE

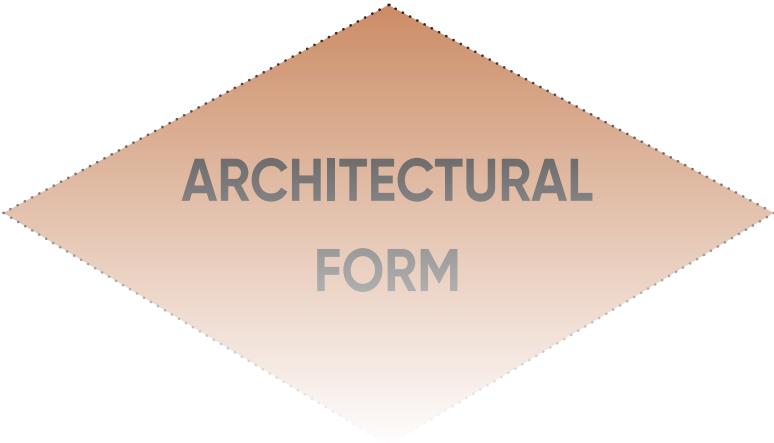
Surveillance Coverage



Figure 3.3.2 Map of Five types of Building Facades
Made by Author



3.3.4. Surveillance Coverage Map



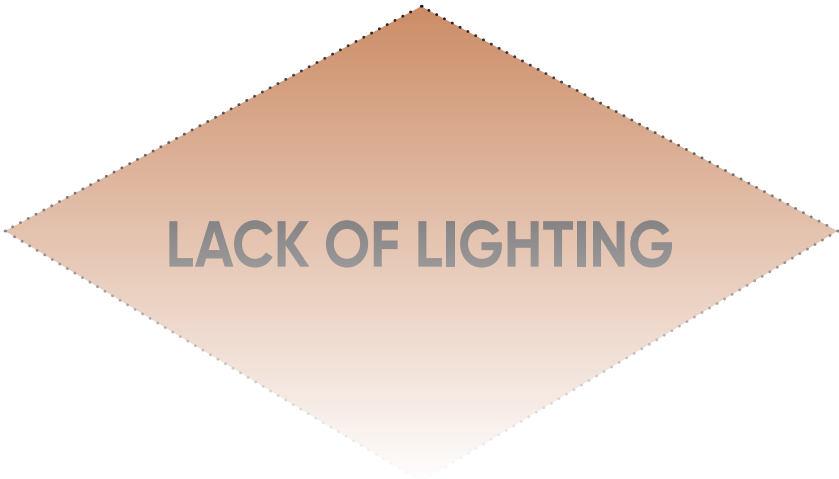
-  Surveillance Coverage
-  blank area



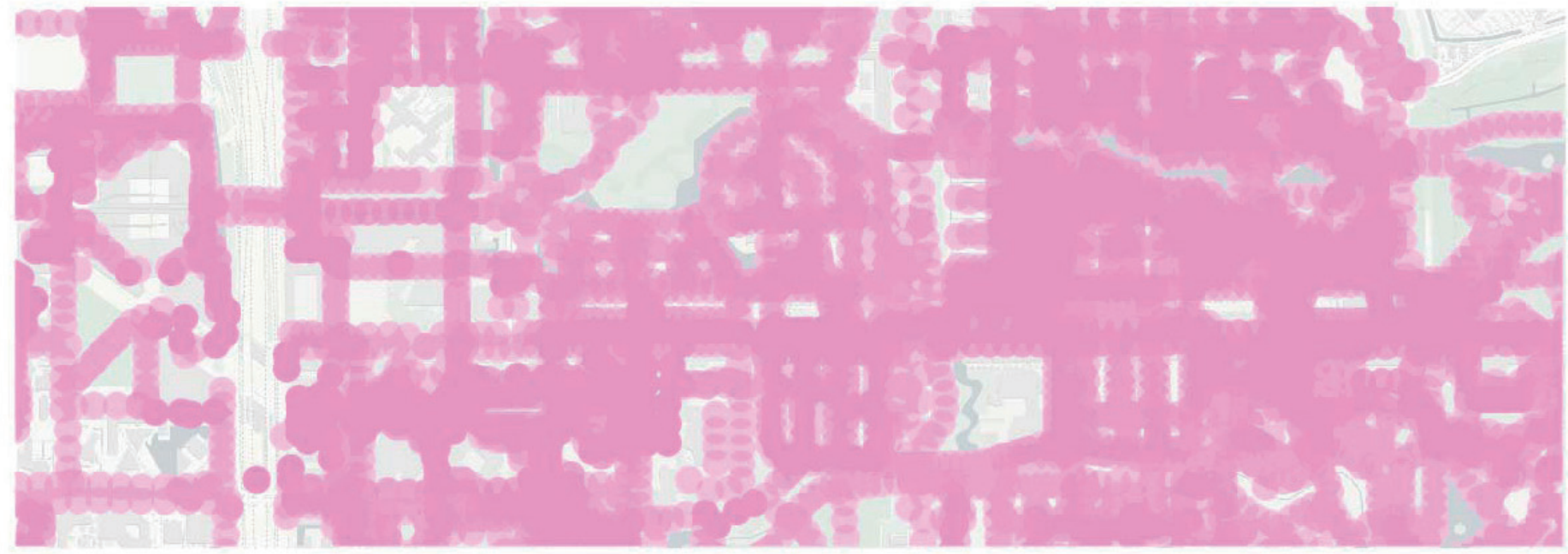
Positron [no labels]



3.3.5. Lighting Coverage Map
– Dark zones and buffer inversion



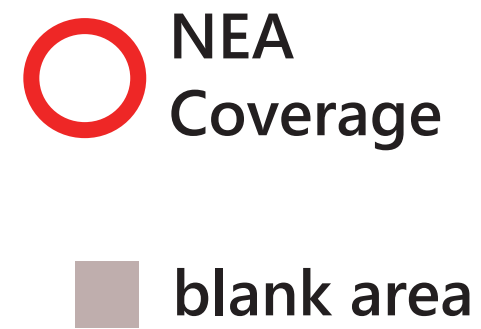
- lights Coverage
- blank area



Positron [no labels]



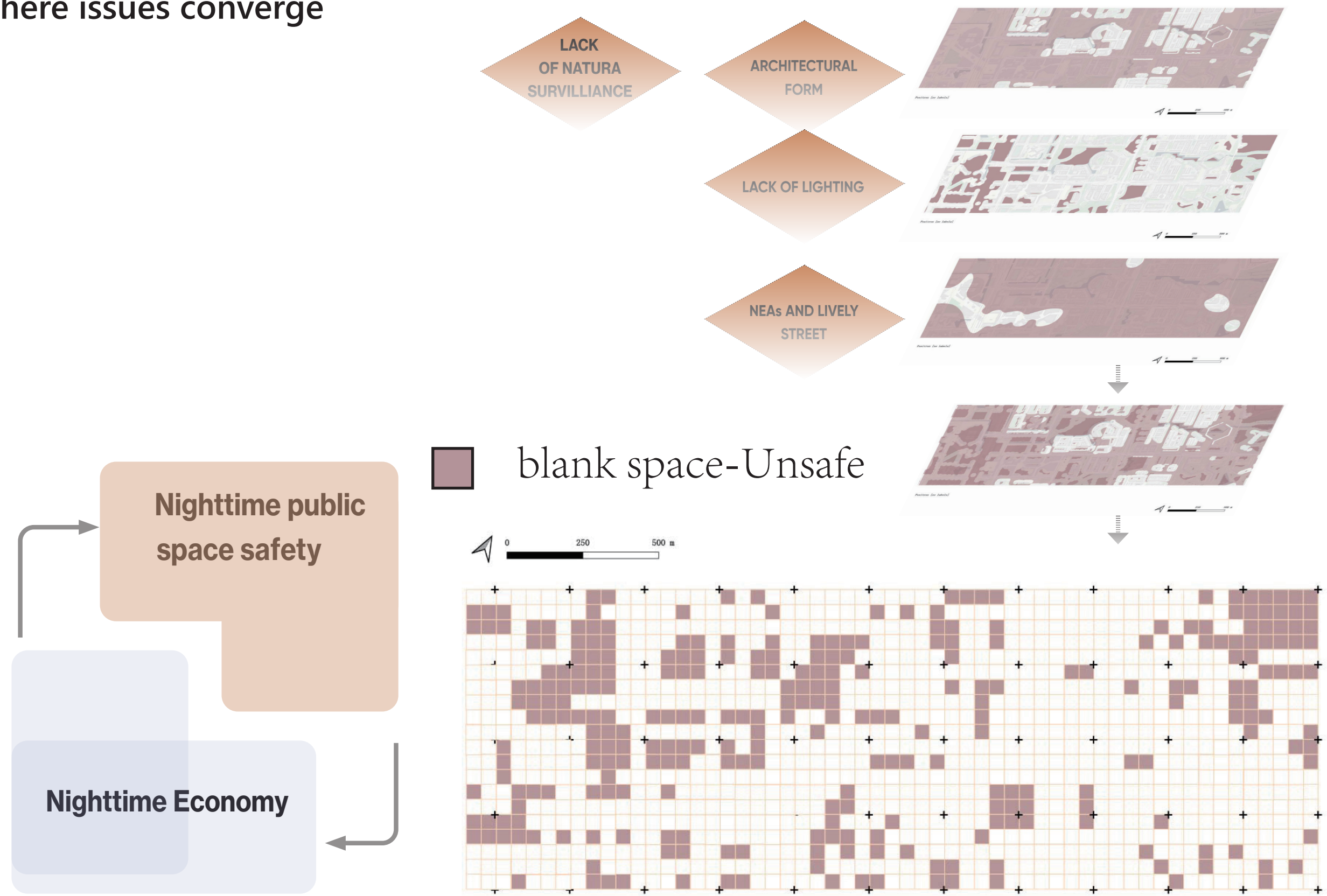
3.3.6. Night Economy Gaps – POI absence



Positron [no labels]



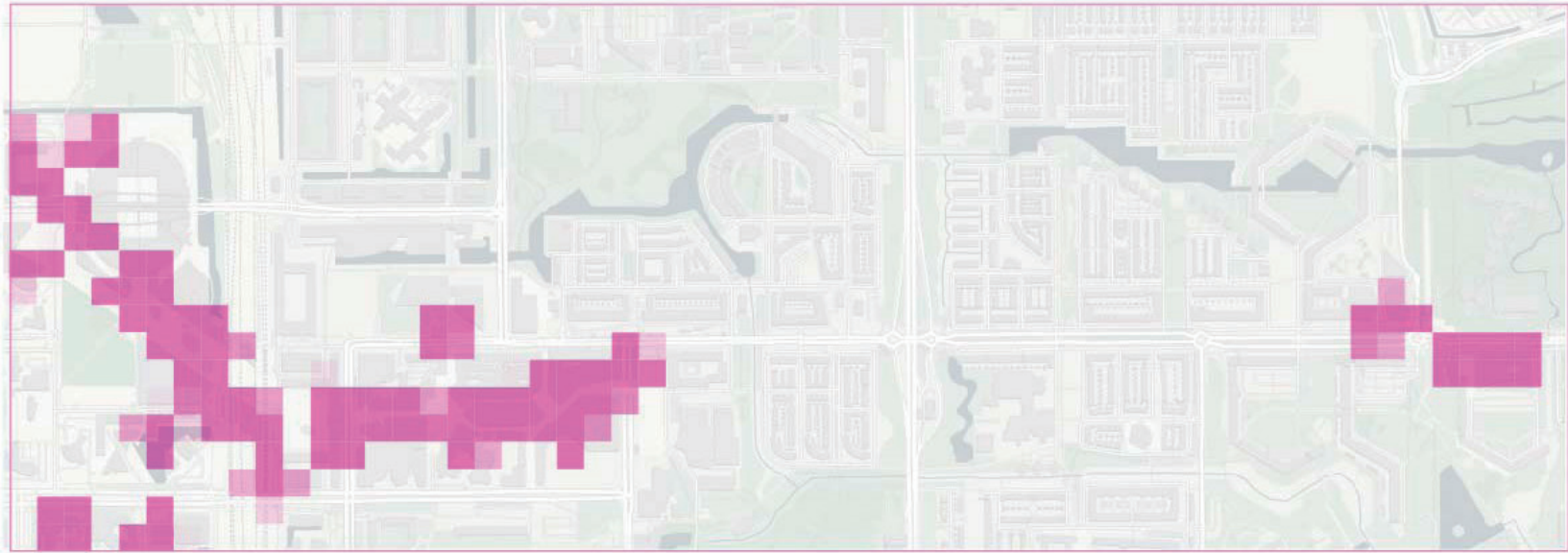
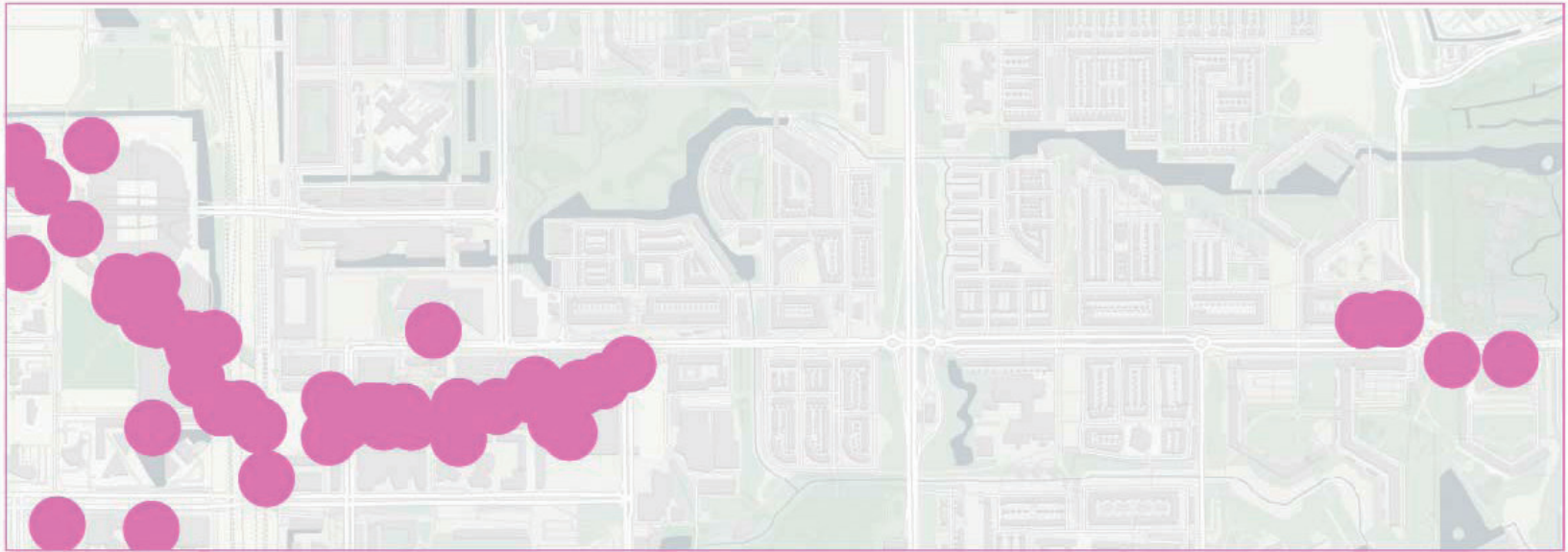
3.3.7. Combined Problem Layers – Where issues converge



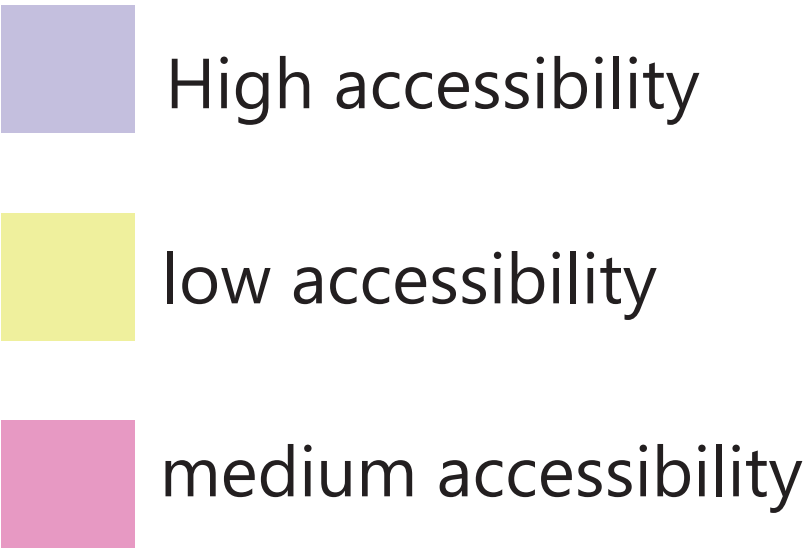
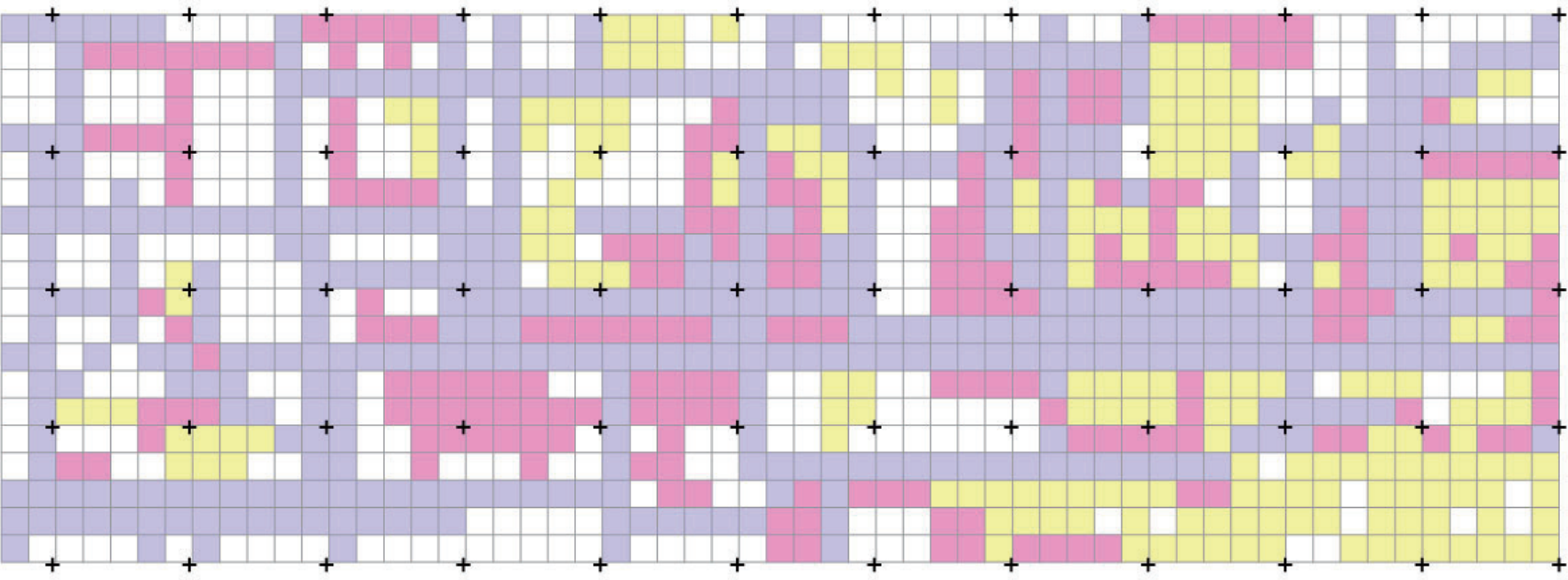
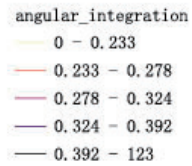
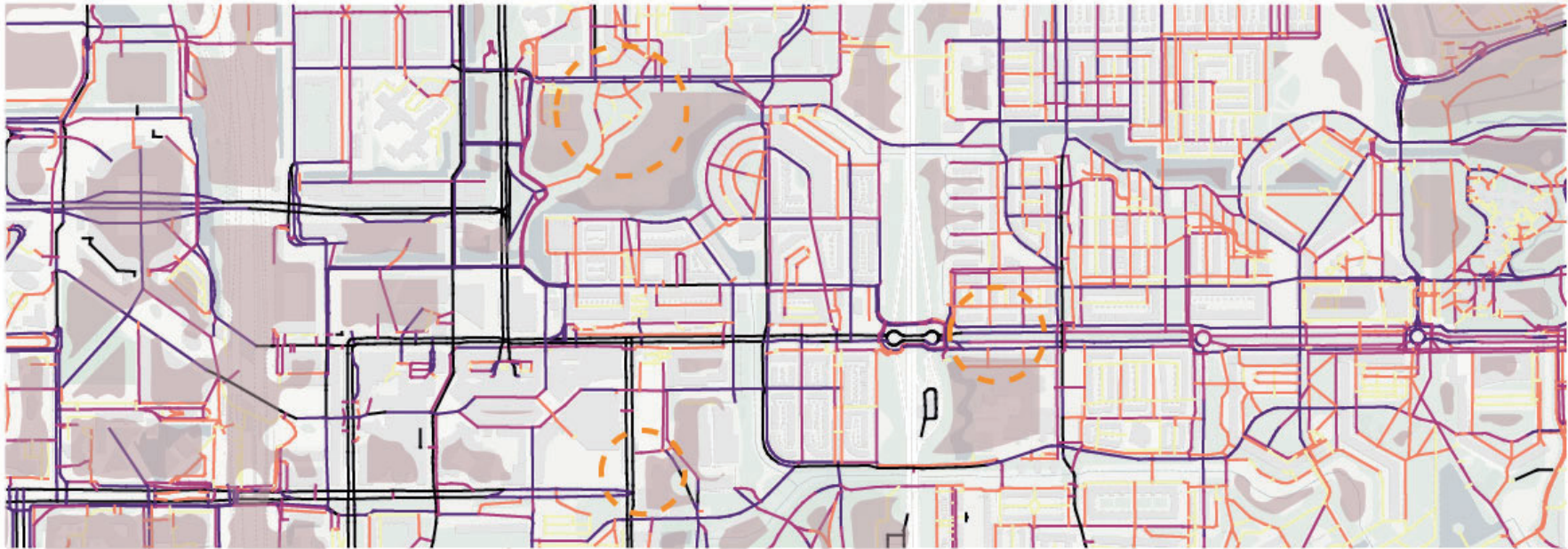
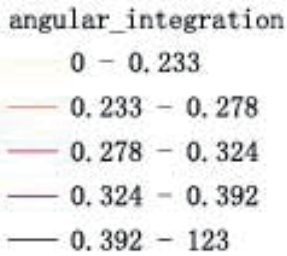
3.3.8. Night
Economy Cluster
Analysis



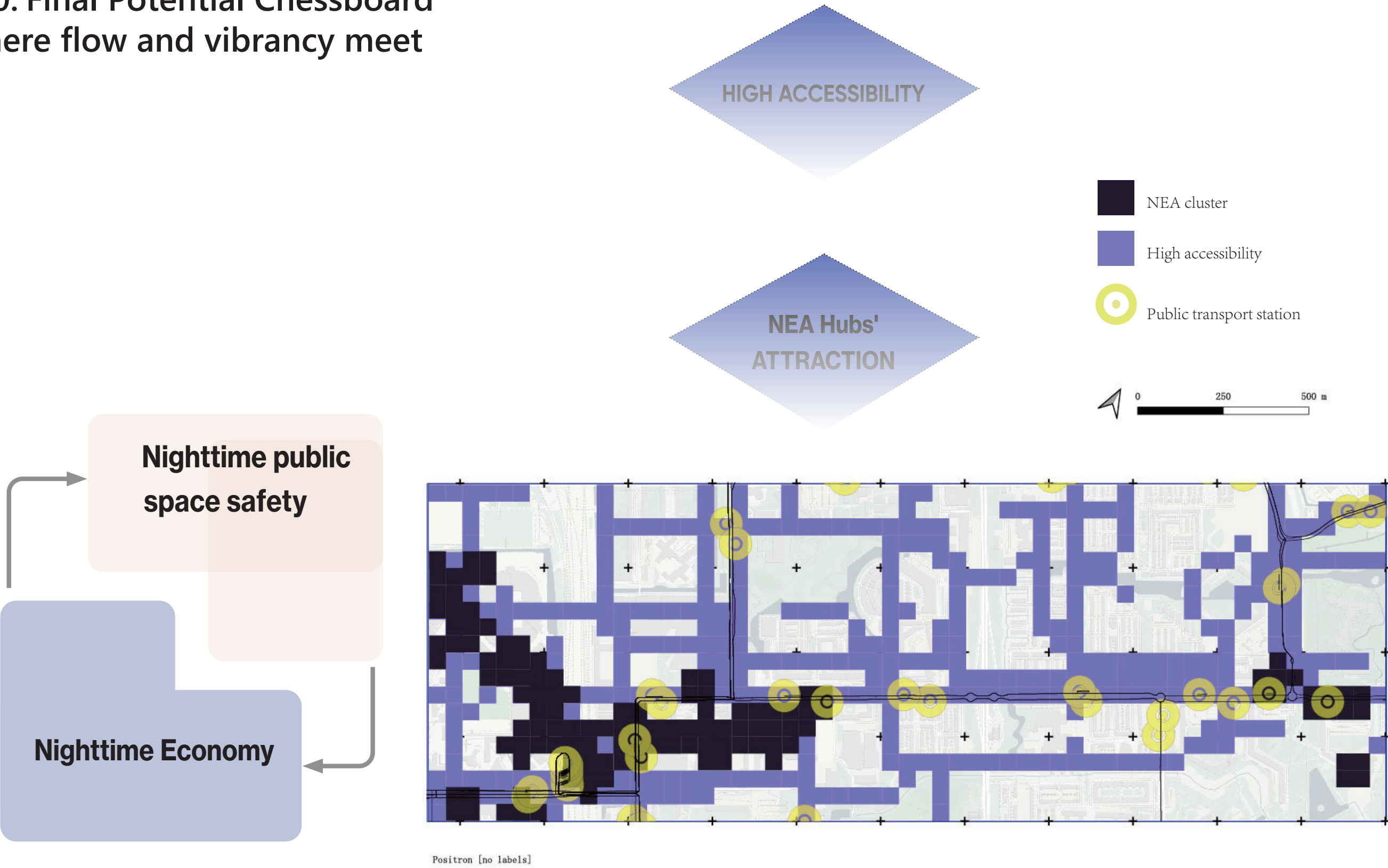
NEA(before 22.00)



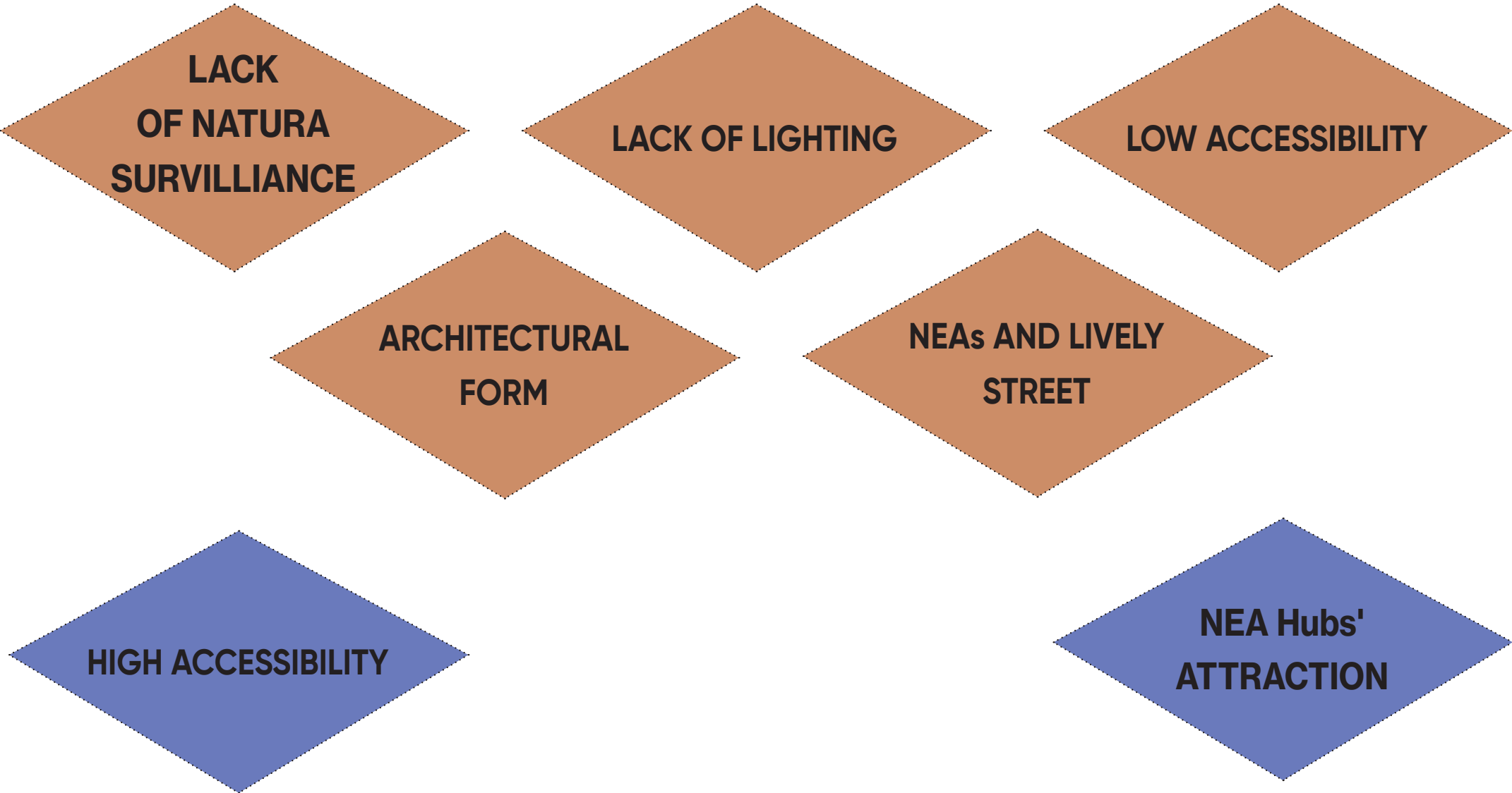
3.3.9. Accessibility Analysis
– Using Angular Integration (Space Syntax)



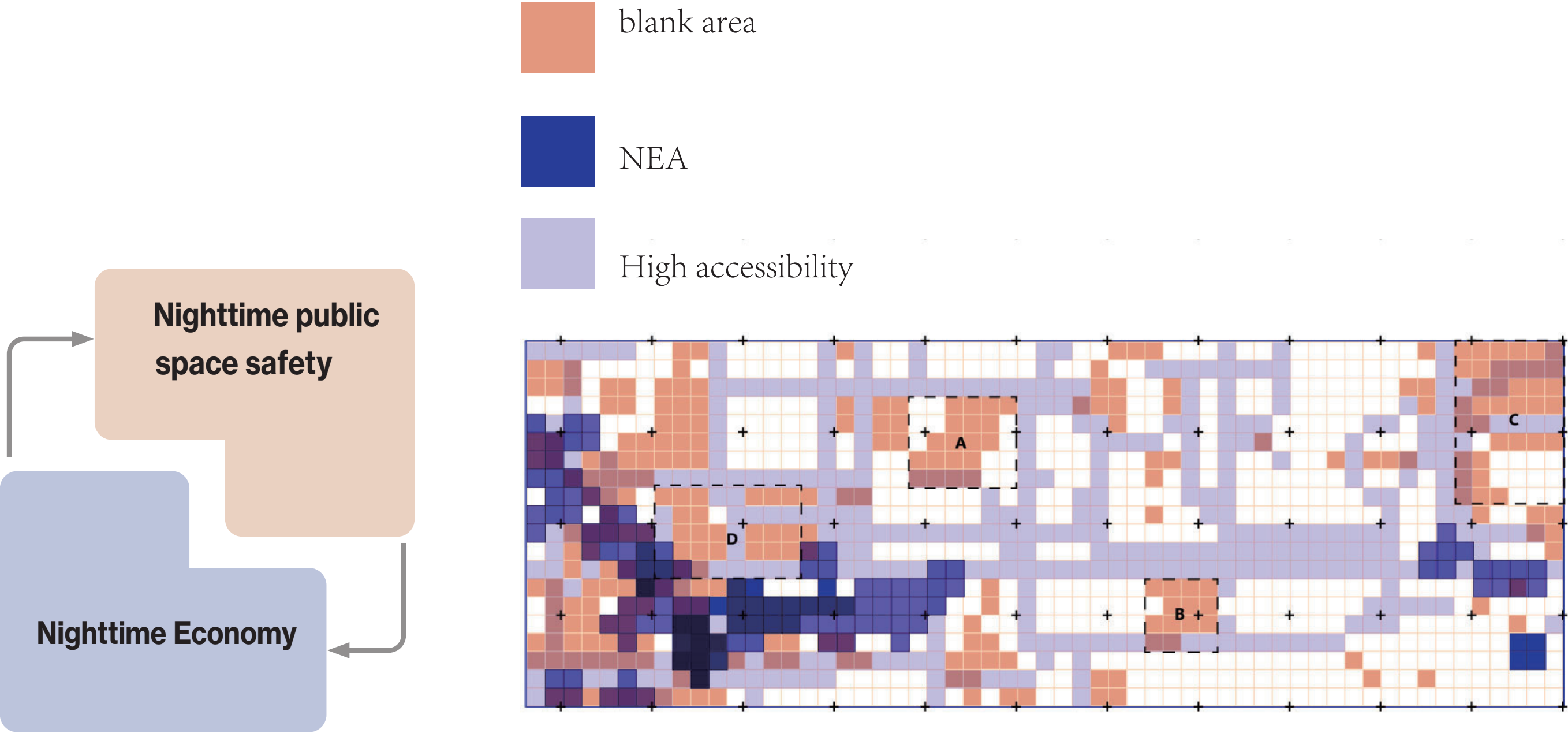
3.3.10. Final Potential Chessboard
– Where flow and vibrancy meet



3.3.11. Overlaying Problem + Potential



3.3.11. Overlaying Problem + Potential
– Identifying priority zones A–D



4.1.Towards Possible Future



4.4.2 Zone A – Detail Design Description



Figure 4.4.2 Detail of Area
Made by Author

4.4.3 Zone B – Detail Design Description



Figure 4.4.3 Detail of Area B
Made by Author

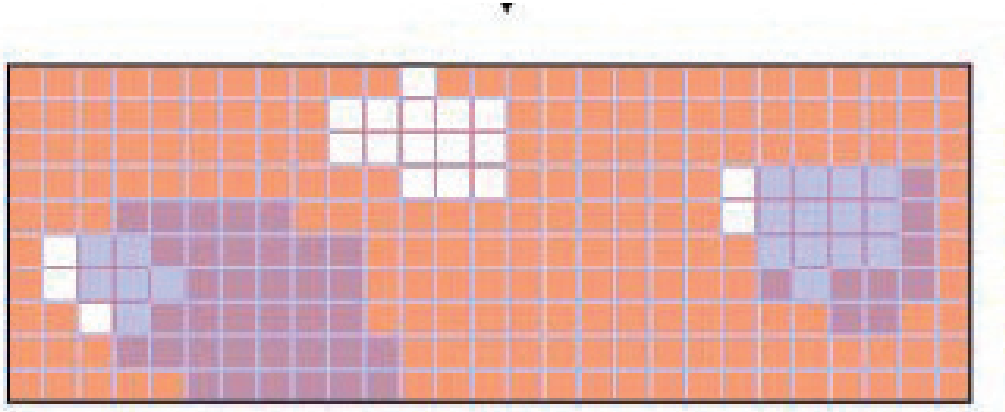


5. Conclusion

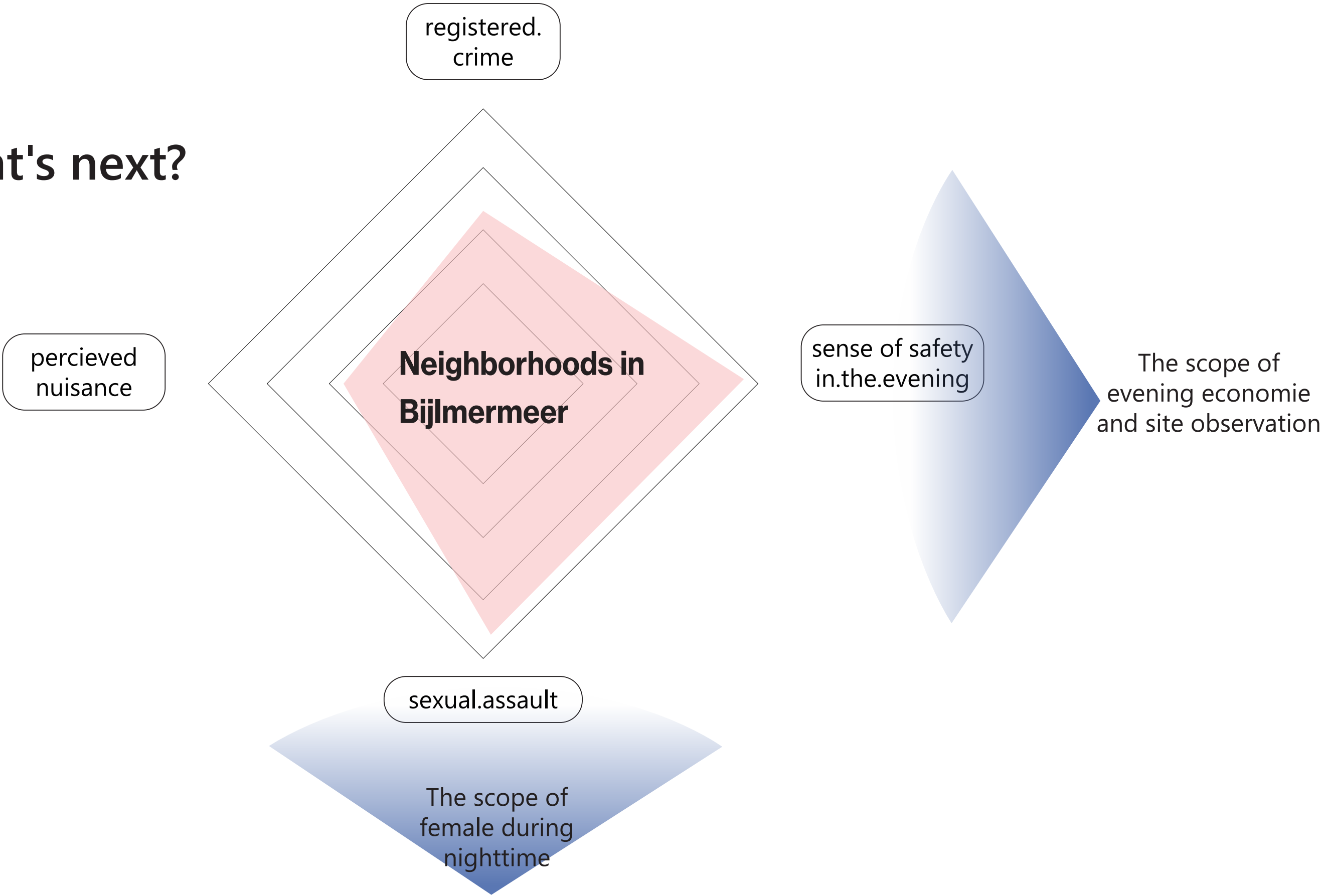
What



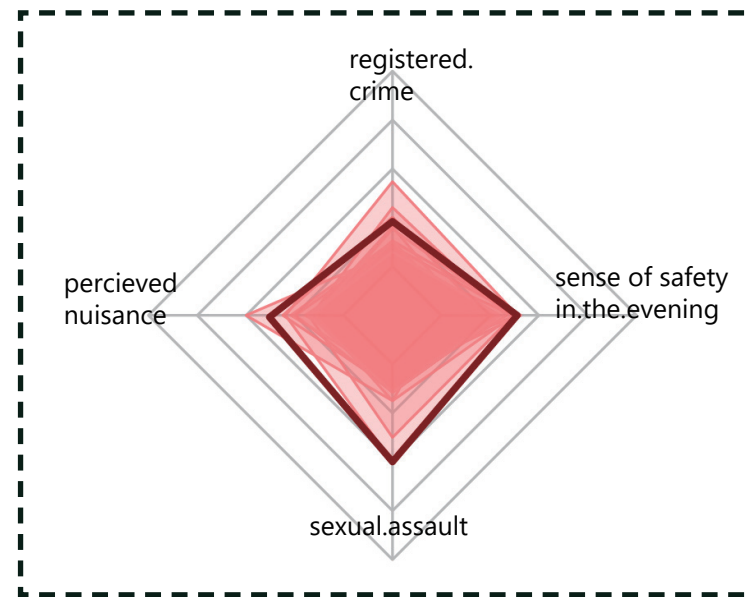
Where



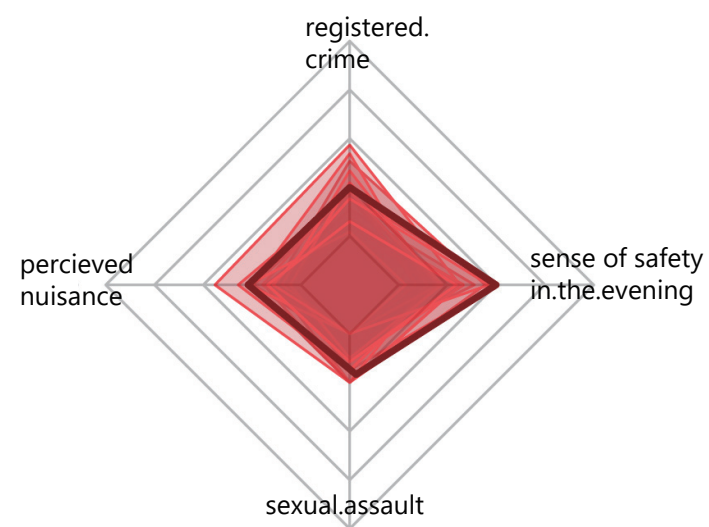
What's next?



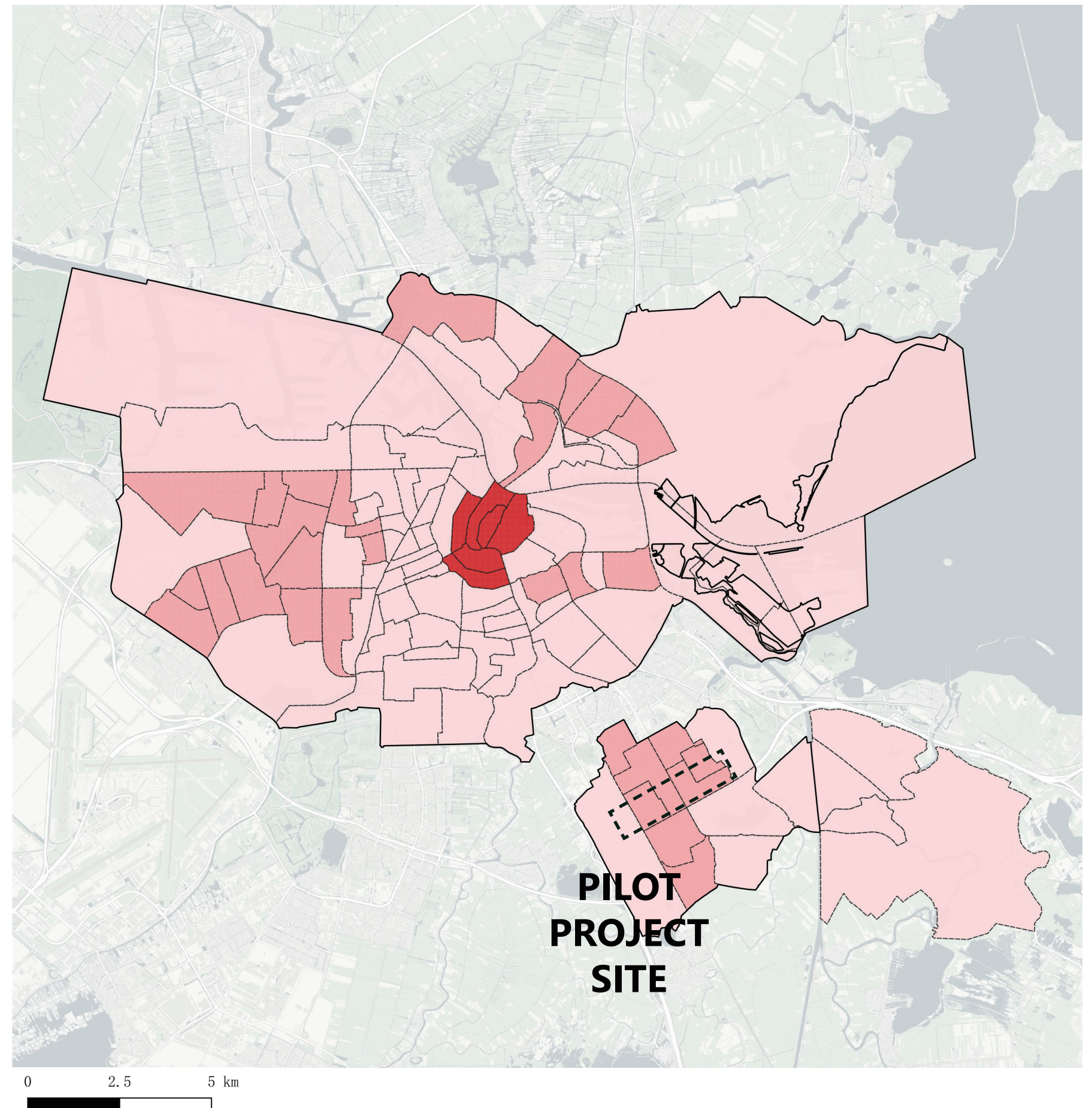
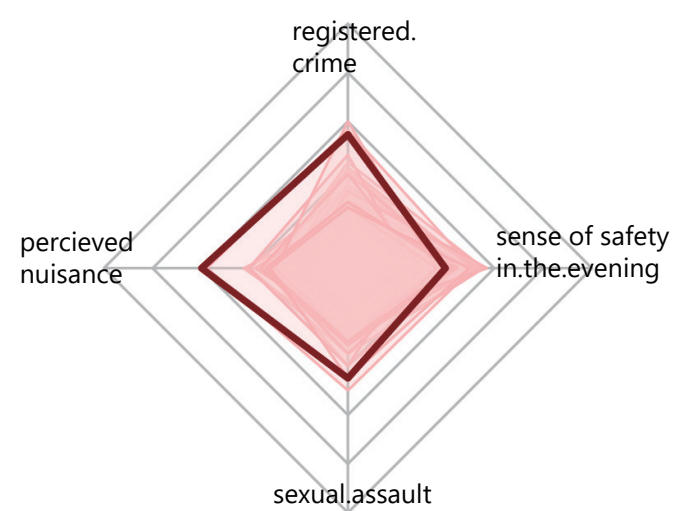
TYPE 1



TYPE 2



TYPE 3



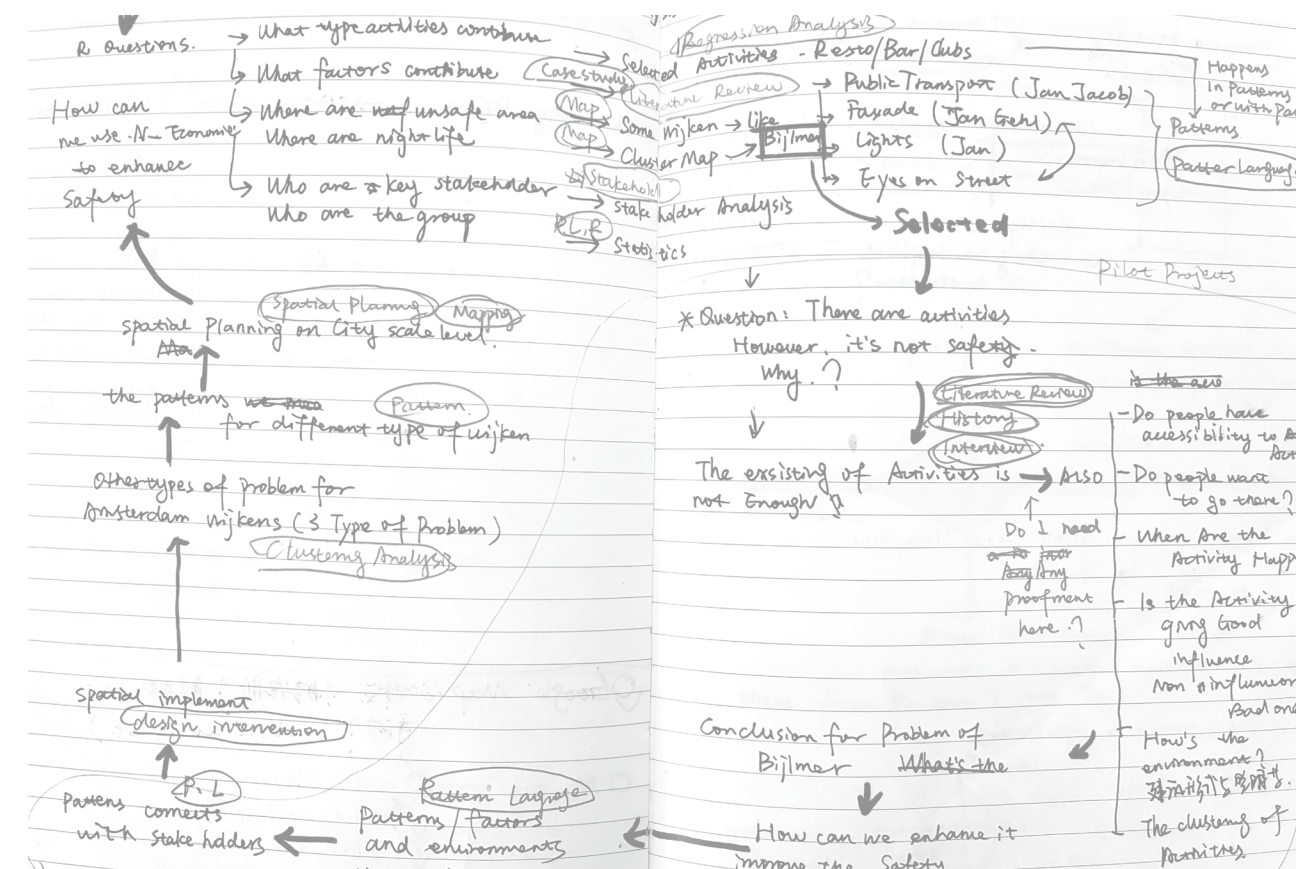
6. Reflection

– On demographics, methods, theories, and bias



The project's data analysis predominantly reflected the perspectives of younger people, **overlooking the experiences of older residents, different cultural groups**, and non-binary individuals, which limits the inclusivity of the findings.

While the integration of qualitative and quantitative methods is valuable, the introduction of more variables led to challenges such as spurious correlations and **a lack of clear causal explanations**.



The reliance on **existing urban theories like Jane Jacobs' "eyes on the street"** was useful but **also limiting**, as not all street activity contributes to safety in every context.

The project highlighted the need for a more nuanced understanding of nightlife safety, acknowledging that **methodological choices must be tested against local realities and the lived experiences of diverse communities**.

Thank you

