# Final Report: Identifying Urban Functional Regions

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Key: to be deleted | to do | ask Padraig

# Abstract

# Acknowledgements

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# Introduction

# Background

## 2.1 Why is Urban Planning and Layout Important

<https://www.archistar.ai/blog/the-importance-of-urban-planning-the-seven-key-reasons/#:~:text=Cities%20rely%20on%20urban%20planning,city%20area%20layout%20and%20density>

* "Cities rely on urban planning to remain functional, grow in population, and attract businesses. Every crucial aspect of an urban environment is under the effect of how its layout is planned."
* Urban planning matters cos: planned city growth, improved health and quality of life, less environmental impact, better economy and resource utilisation, national development, disaster prevention and greater credibility, more efficient problem solving

<https://www.revistaespacios.com/a17v38n24/17382416.html>

* "the characteristics of an "ideal urban layout system" that would have existed in the absence of external disturbances: political, social and economic"

## 2.2 Existing Views on the Socio-Economic Impact of Urban Layout

<https://www.archistar.ai/blog/the-importance-of-urban-planning-the-seven-key-reasons/#:~:text=Cities%20rely%20on%20urban%20planning,city%20area%20layout%20and%20density>

* "Highly developed cities largely contribute to the economic health and productivity of society. On the other hand, poor urban planning can bring on opposite, harmful effects like constant heavy traffic, insufficient infrastructure, inadequate housing options."
* "With a thoroughly planned layout, a city can provide its residents with access to all essential services, points of interest, and amenities. At the same time, the unfavourable aspects of urban life are reduced, leading to an overall healthier lifestyle and improved quality of life."

<https://www.centreforcities.org/blog/layout-city-affects-economic-success/>

<https://www.sciencedirect.com/science/article/pii/S2210670712000455>

## 2.3 Research on Region Identification

<https://www.jstor.org/stable/43617893?seq=5>

<https://www.tandfonline.com/doi/full/10.1080/13574809.2013.854695>

## 2.4 Research on POI & Socio-Economic Datasets

<https://location.foursquare.com>

<https://www.openstreetmap.org/#map=12/51.4828/-3.1610>

<https://www.precisely.com/product/precisely-points-of-interest/precisely-points-of-interest?utm_medium=cpc&utm_source=Online-Advertising&utm_campaign=Data-Integrity_Global_Digital-Ads-Google-Paid-Search-Brand-Campaign_2025&utm_content=>

<https://digimap.edina.ac.uk/roam/map/os>

<https://digimap.edina.ac.uk/roam/map/society>

* Societal data

## 2.5 Research on POI Data Handling and Analysis

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# Appendices

# References