

# Introduction to the spatial data of CBD

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Feb 18, 2020

## Overall

- **CBD\_Spatial\_Data.dbg**
  - Data Area & The Site
  - Buildings
  - Roads
  - POIs
  - AOIs
  - Dianping Comments
  - Weibo Post
  - Residential Communities
- **Remote Sensing Imagery**
- **Street View Images**

**Download the file here:**

<https://cloud.tsinghua.edu.cn/d/8c5517dc2afa44fd8f95/>

Data has been visualized on Geohey, you can view through the website or scanning the QR code.

# Data Contents

## 1. Data Area & The Site

### File Name:

Data\_Area  
The\_Site

### File Type: Polygon

Amount: 1

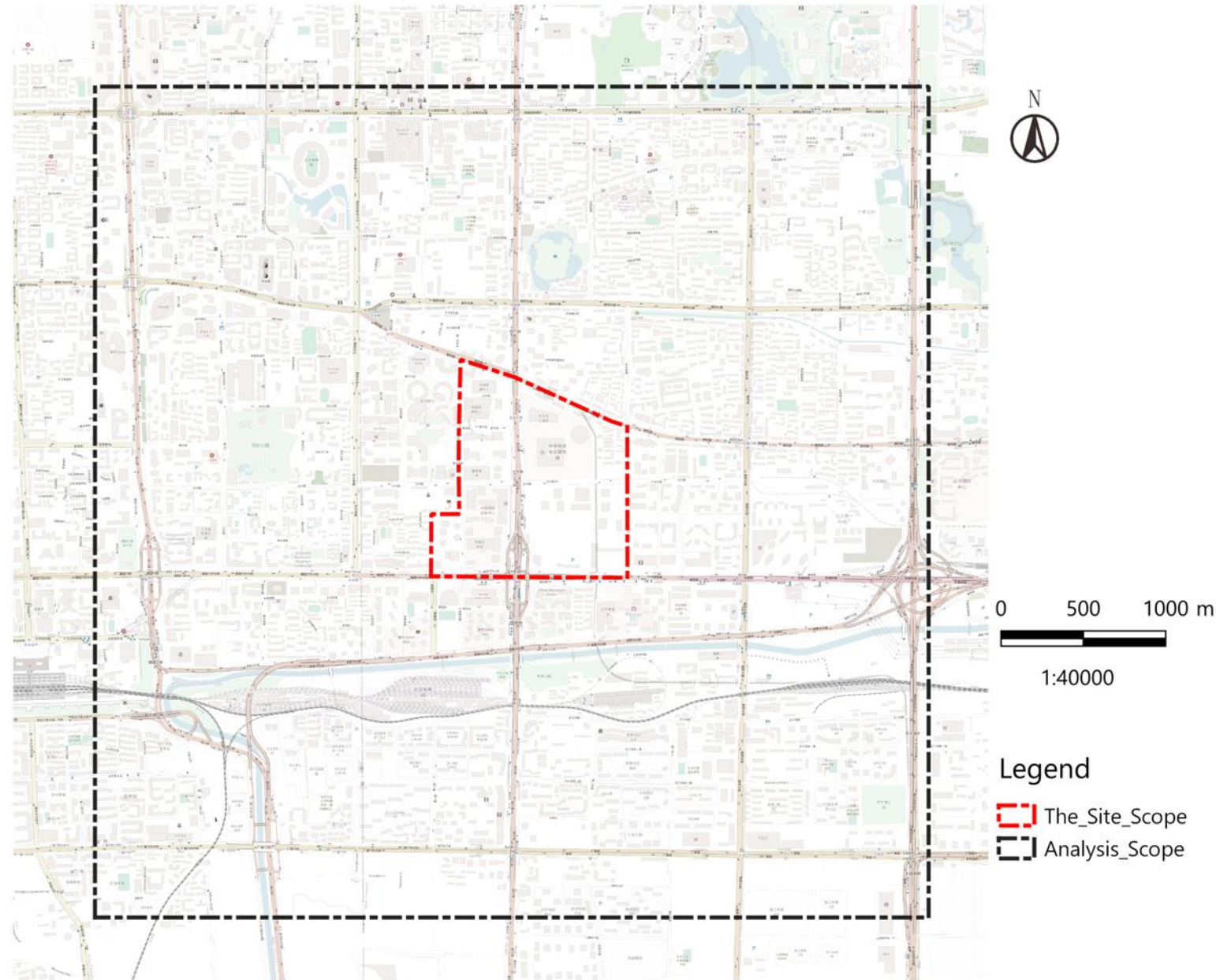
### Key Elements:

- Data\_Area

id	Area(m <sup>2</sup> )	Perimeter(m)
1	25441444.97	20175.953

- The\_Site

id	Area(m <sup>2</sup> )	Perimeter(m)
1	1211802	4680.771



# Data Contents

## 2. Buildings

File Name: Buildings\_2019

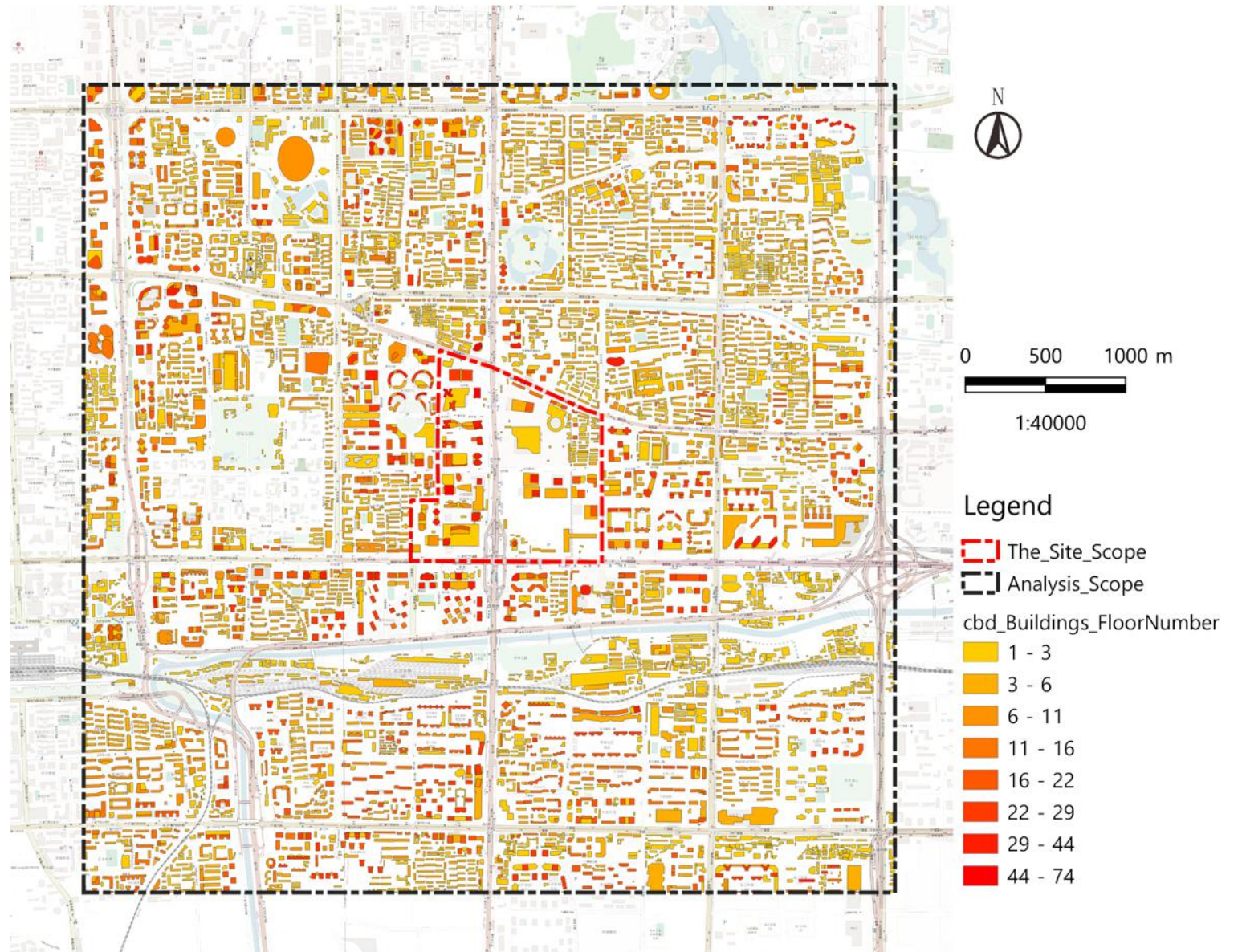
File Type: Polygon

Amount: 6361

### Key Elements:

	Floor Number	Floor Space (m <sup>2</sup> )	FootPrint (m <sup>2</sup> )
example	1	223.4827881	223.4827881

<https://geohey.com/apps/dataviz/3e447691329e40319246ae4120fc600b/share?ak=YjM5YjQ2ZmRkZDgwNGQyYzk0M2RmZTY4MjMwNGI4ZDc>



FloorNumber

# Data Contents

## 3. Roads

File Name: Gaode\_Road\_2016

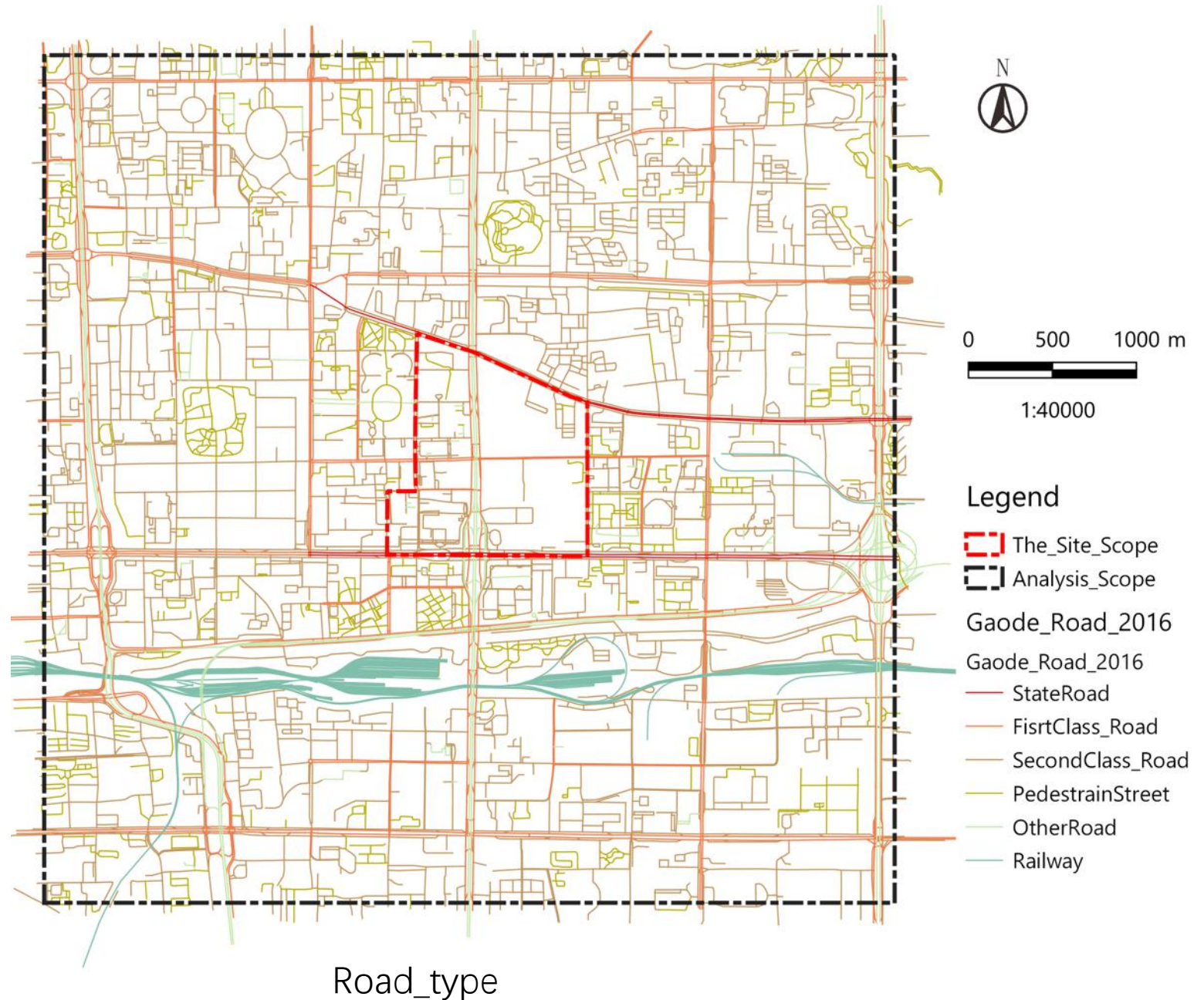
File Type: Line

Amount: 8927

### Key Elements:

	OBJECTID	NAME	ctype
data_example	24097	工人体育场北路	市区二级

<https://geohey.com/apps/dataviz/24fefb90aeba49f68786e09b915f142b/share?ak=YjM5YjQ2ZmRkZDgwNGQyYzk0M2RmZTY4M0MwNGI4ZDc>



# Data Contents

## 4. POIs

File Name: Gaode\_POI\_2018

File Type: Point

Amount: 50315

Categories:

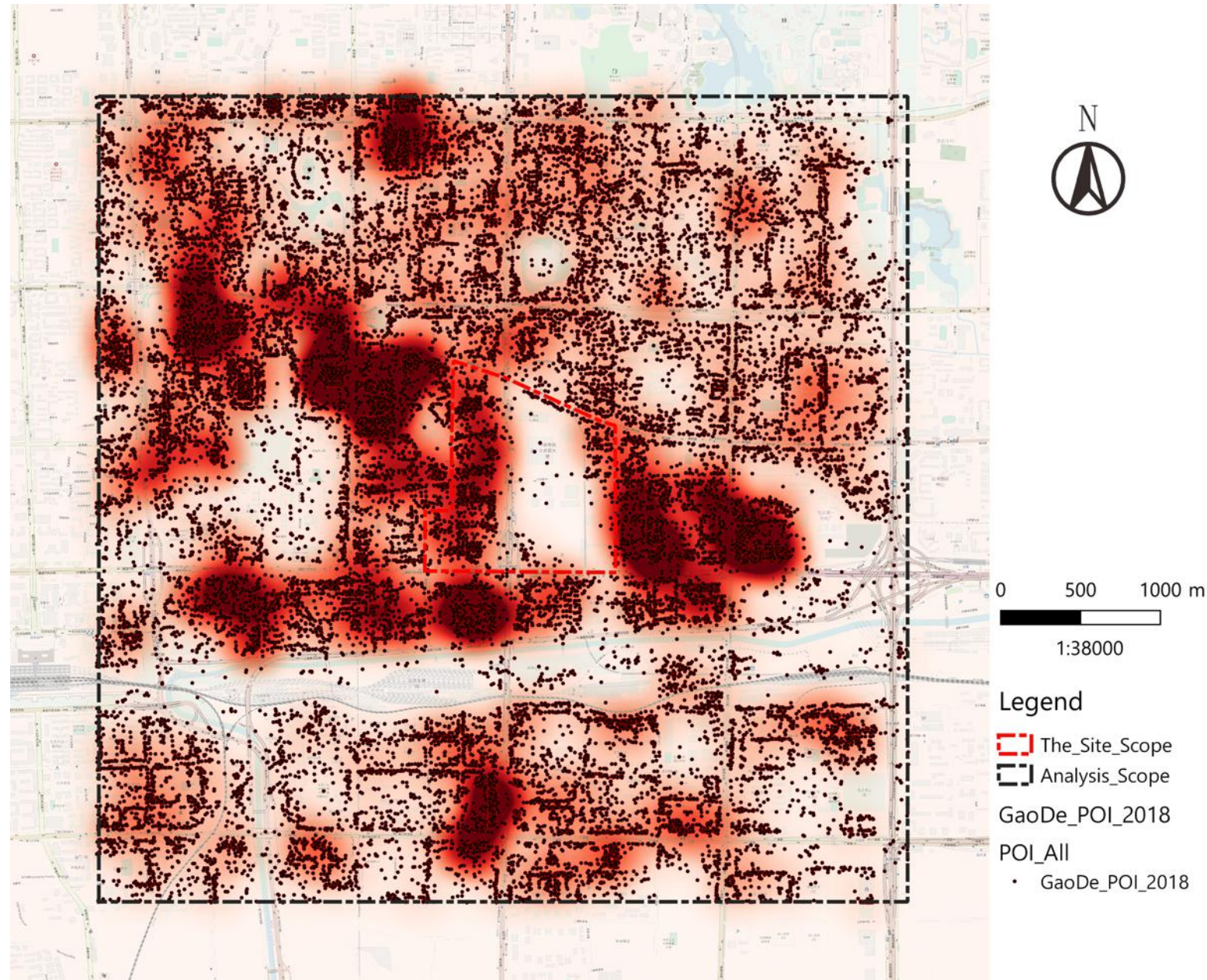


AccommodationService	AutomobileService	CateringService
CommercialService	CommunalService	DomesticService
Financial & InsuranceService	Government & SocialGroup	Medical & HealthService
Park & Sightseeing	Residential	Science & Culture & EducationService
ShoppingService	Sports & LeisureService	Transport Facilities

Key Elements:

	id	name	type_	type
example	B000A0B7F0	诚意洗衣店 (马道口东街)	DomesticService	Landry

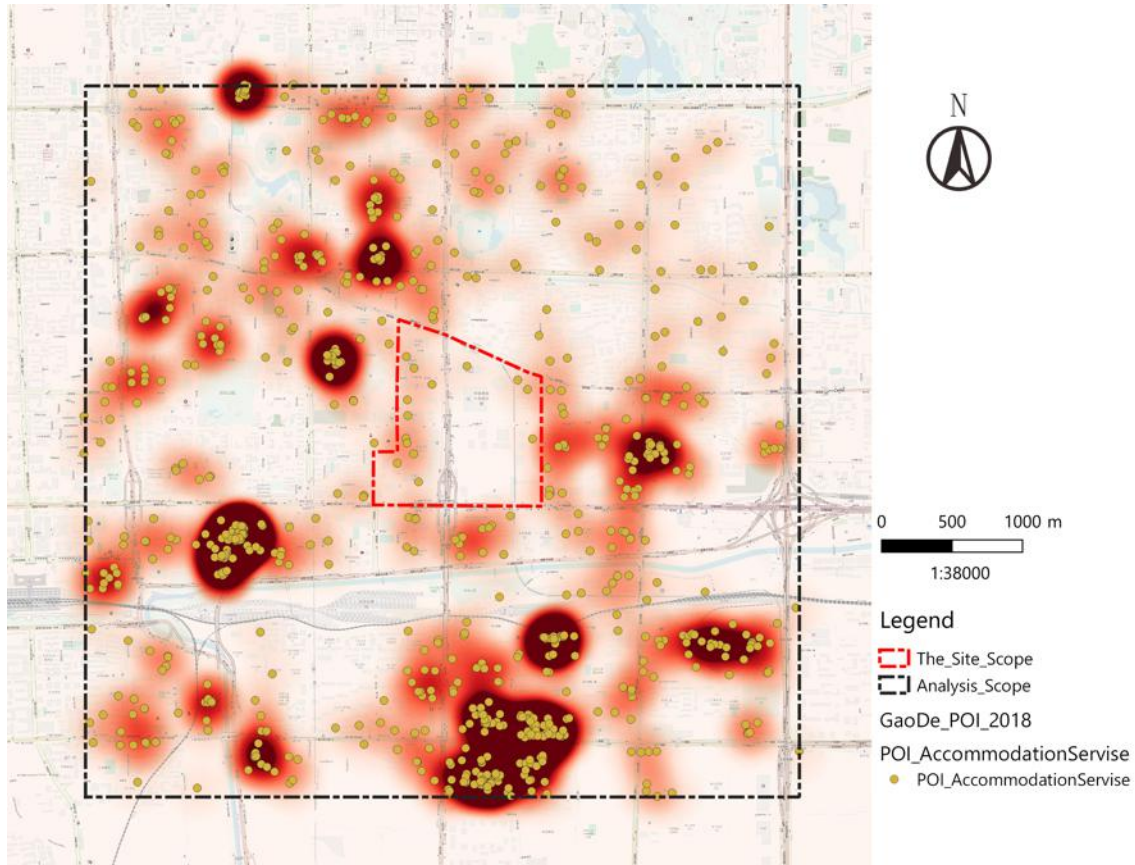
<https://geohey.com/apps/dataviz/c0eac7864bc743649ecba24ee5113a6/share?ak=YjM5YjQ2ZmRkZDgwNGQyYzk0M2RmZTY4MjMwNGI4ZDc>



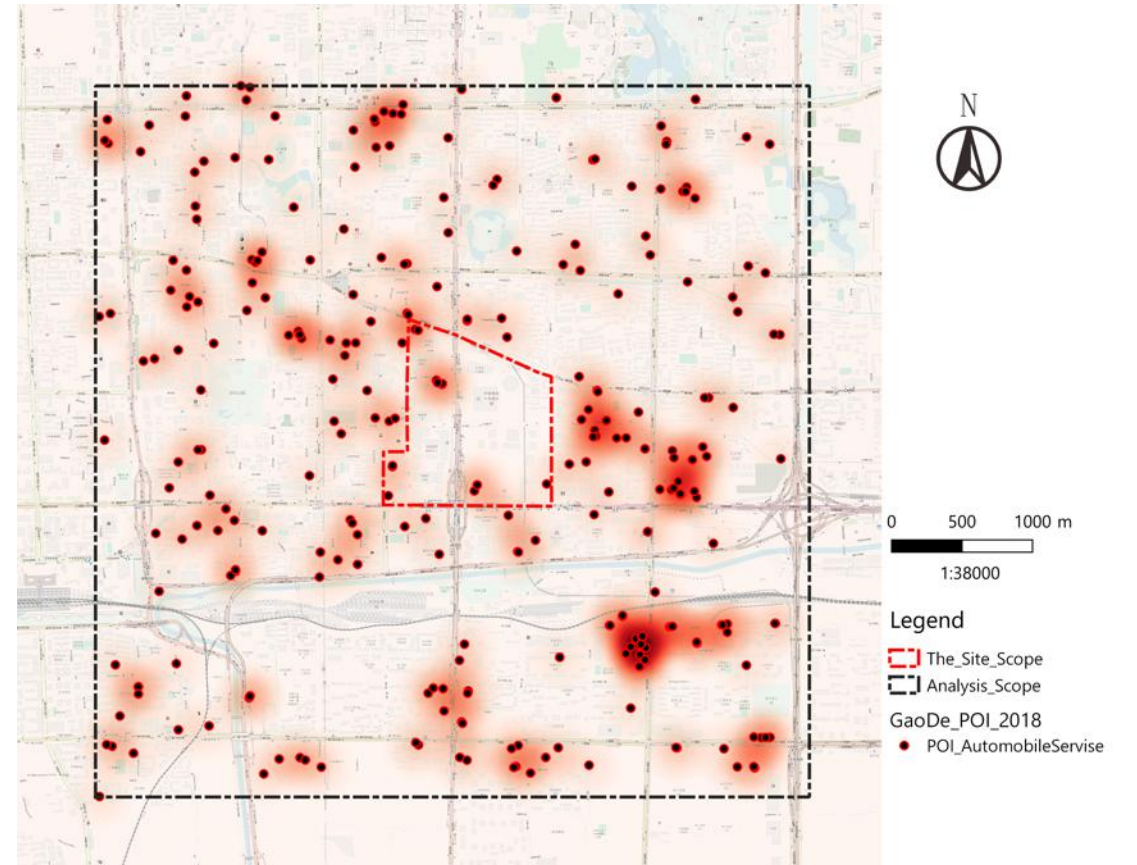
kernel analysis

# Data Contents

## 4. POIs



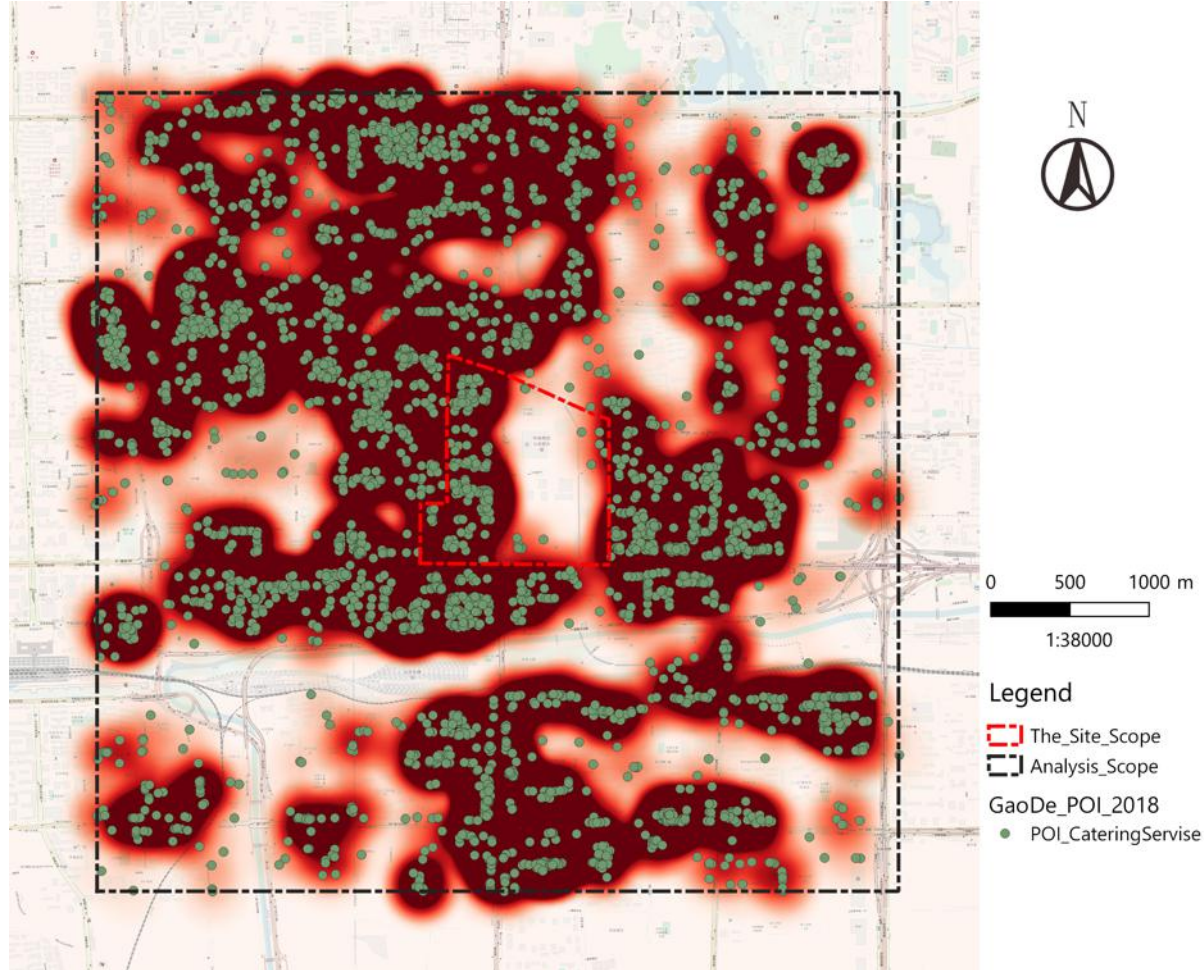
AccomodationService



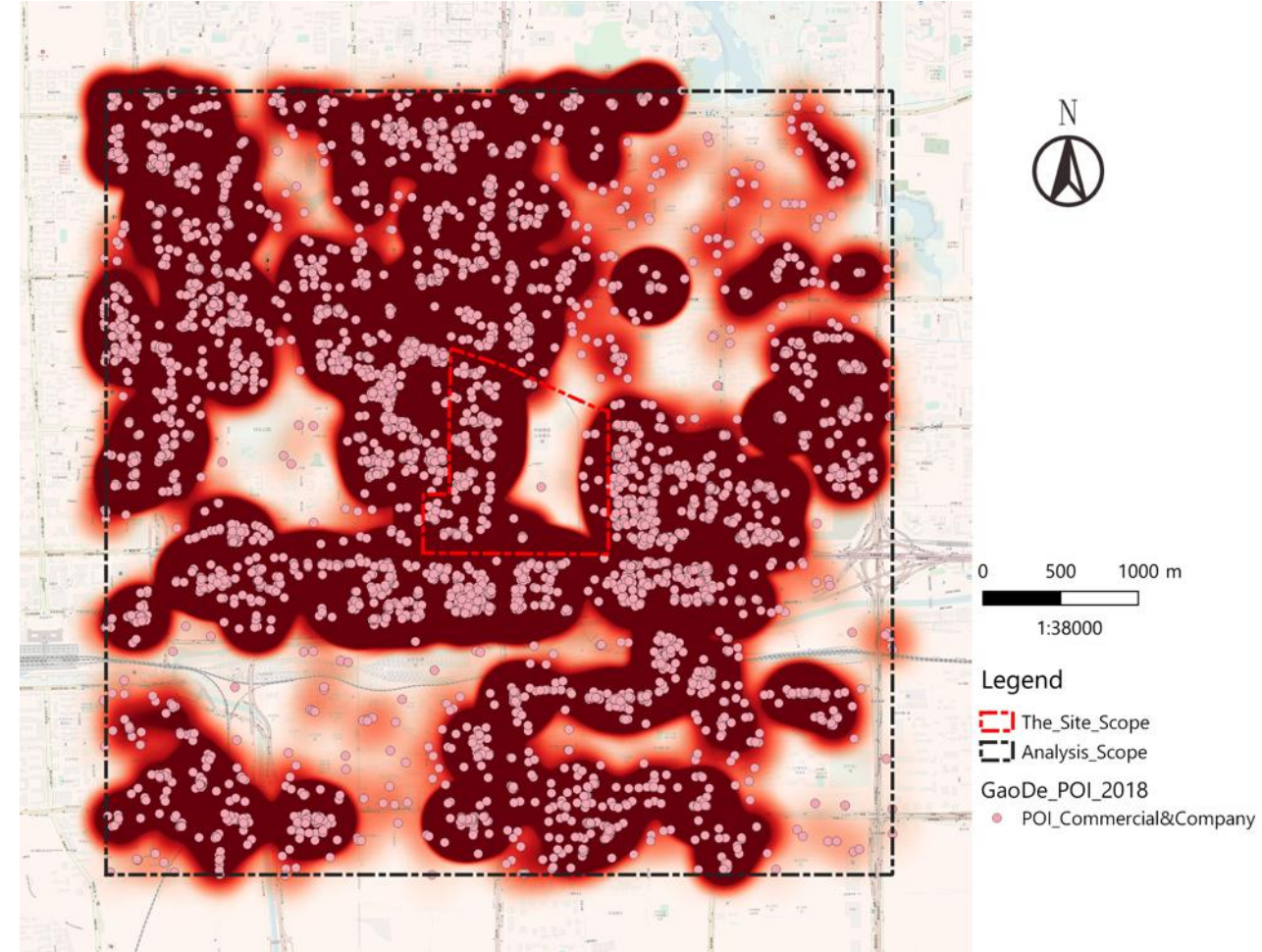
AutomobileService

# Data Contents

## 4. POIs



CateringService

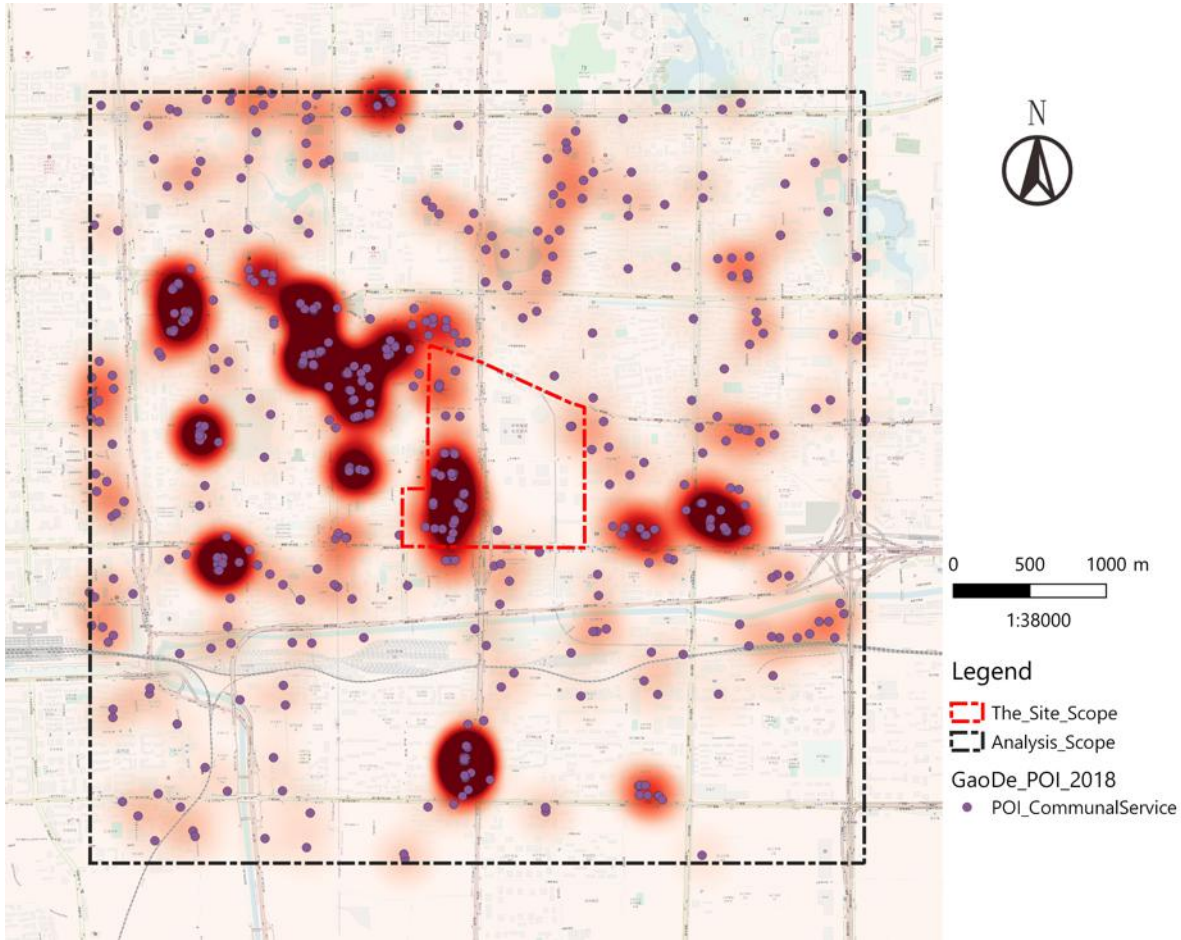


CommercialService

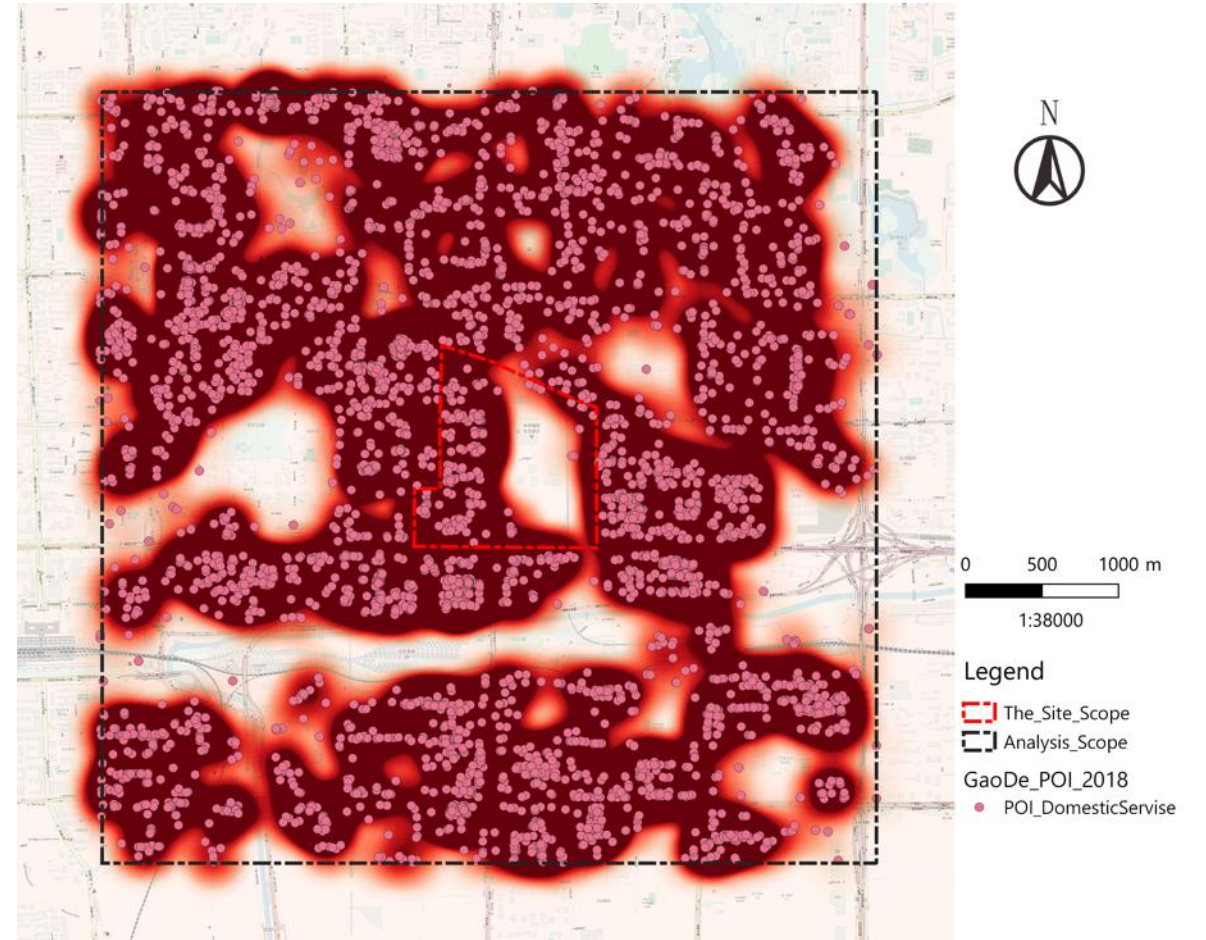


# Data Contents

## 4. POIs



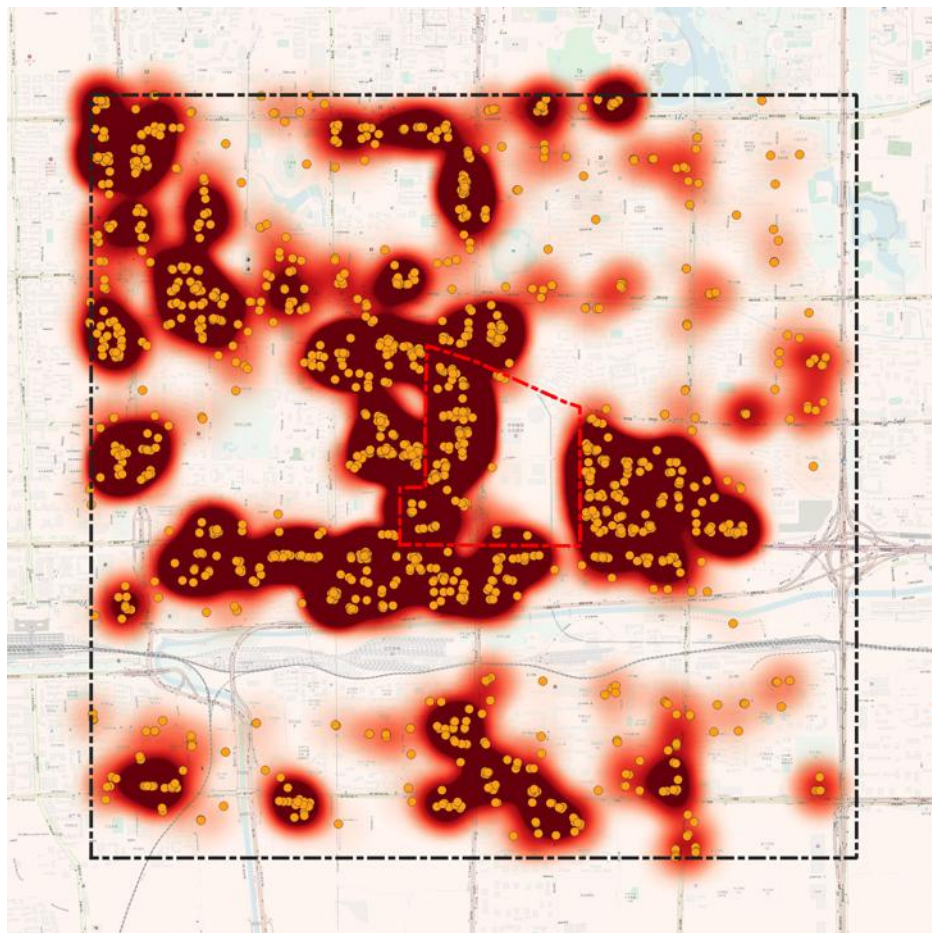
CommunalService



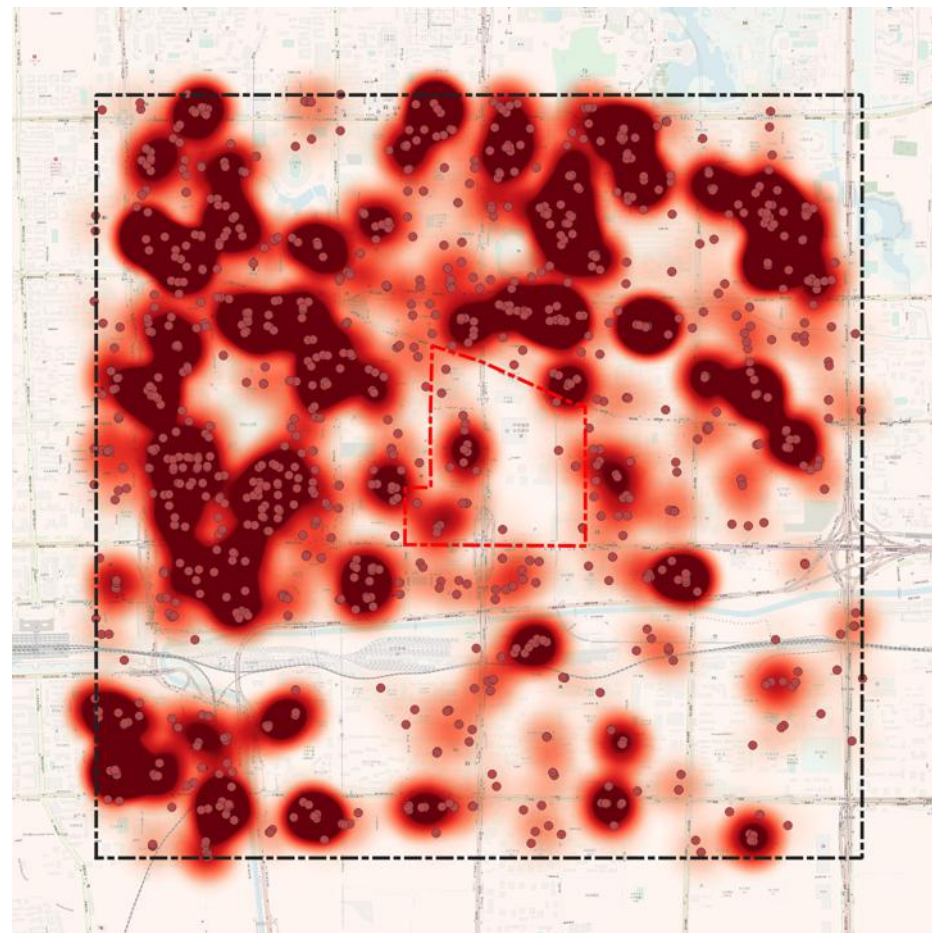
DomesticService

# Data Contents

## 4. POIs



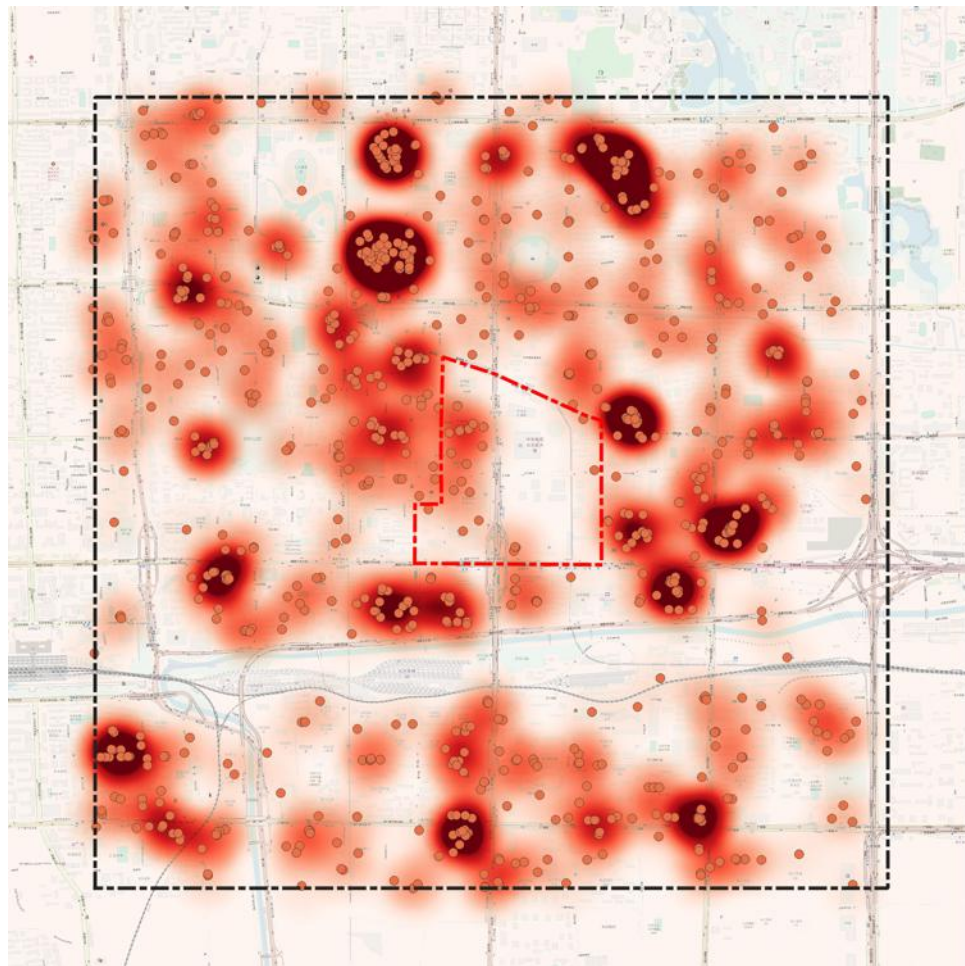
Financial  
&InsuranceService



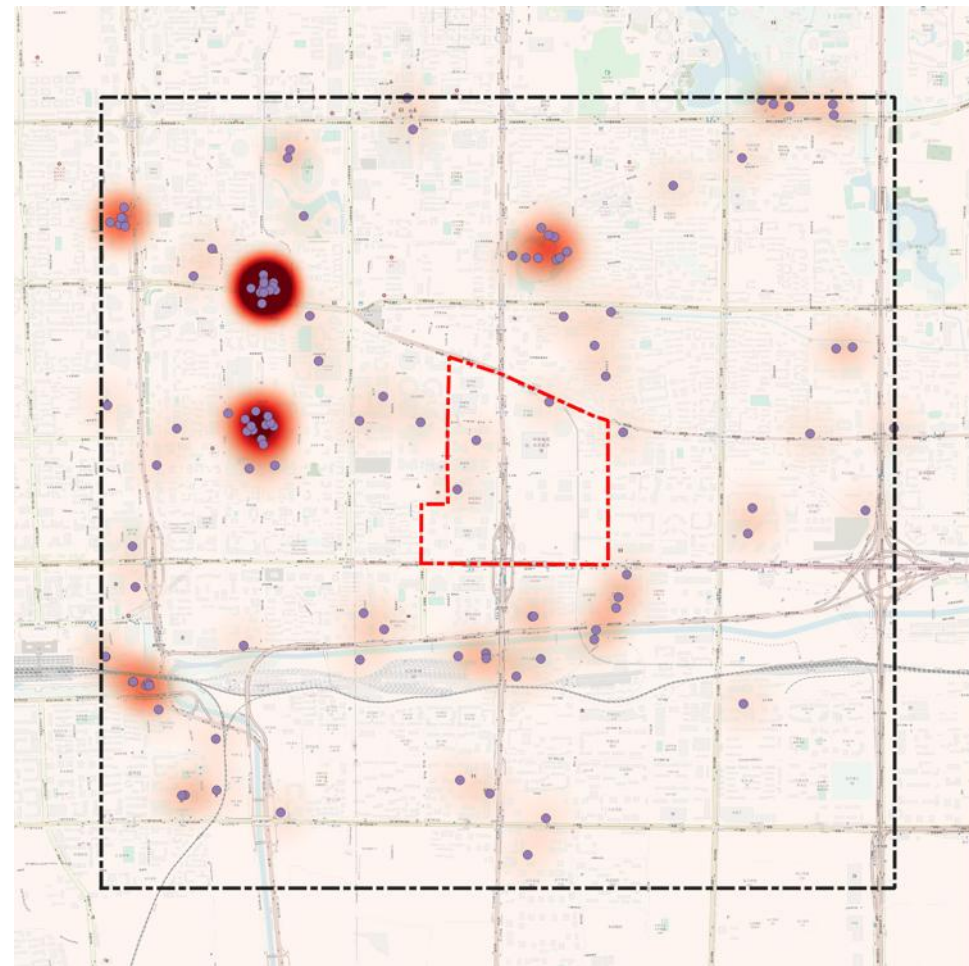
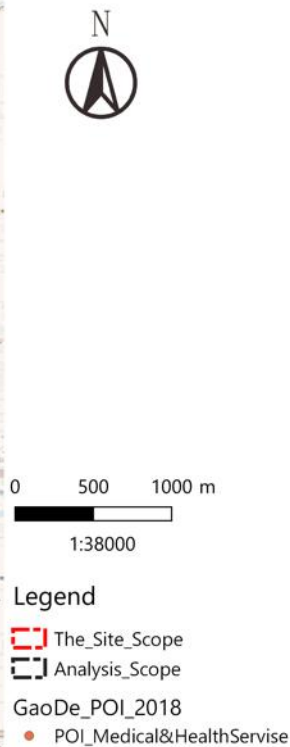
Government &SocialGroup

# Data Contents

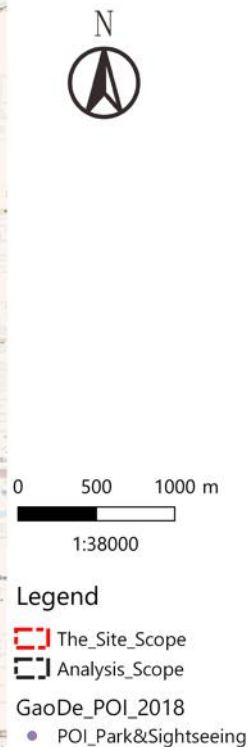
## 4. POIs



Medical  
&HealthService

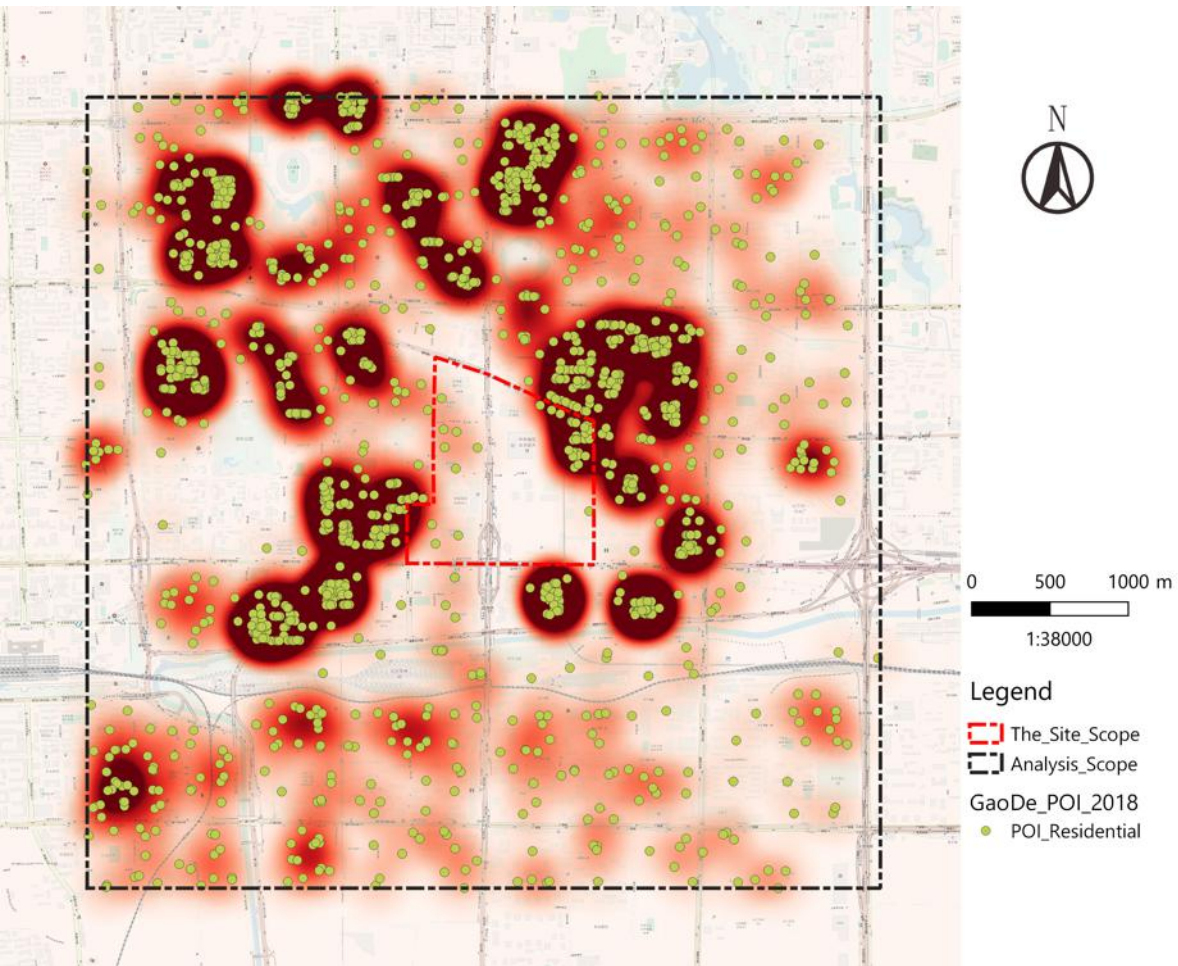


Park &Sightseeing

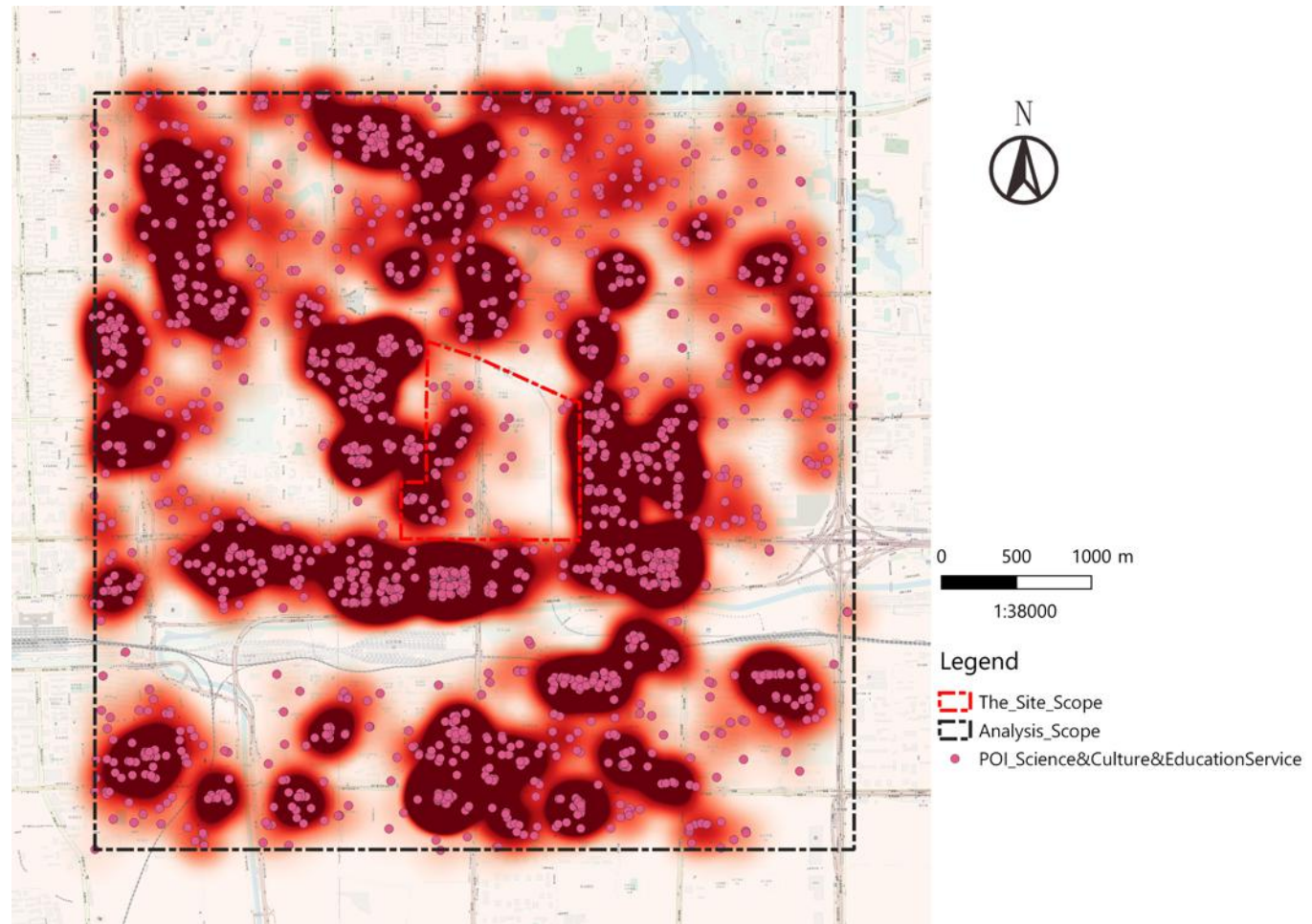


# Data Contents

## 4. POIs



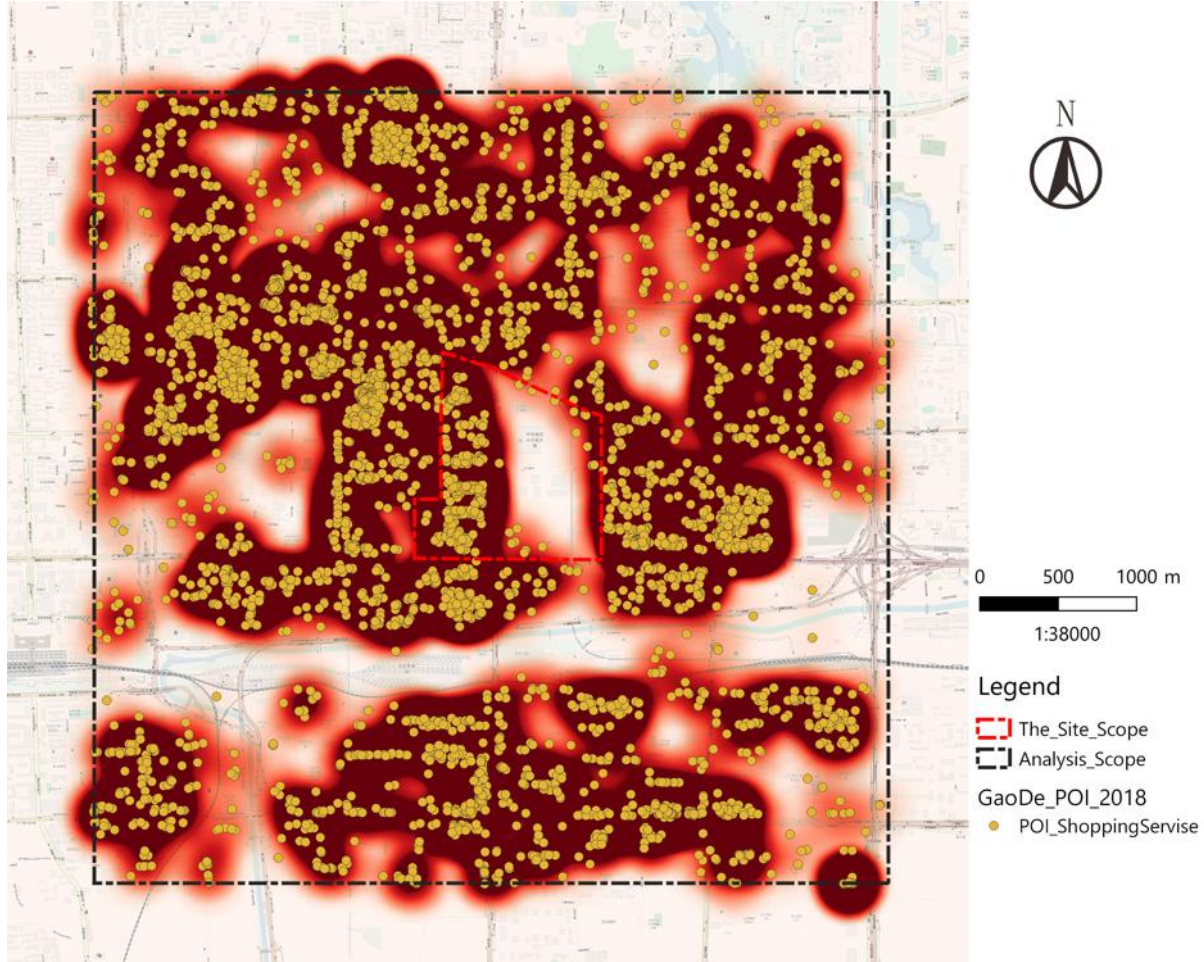
Residential



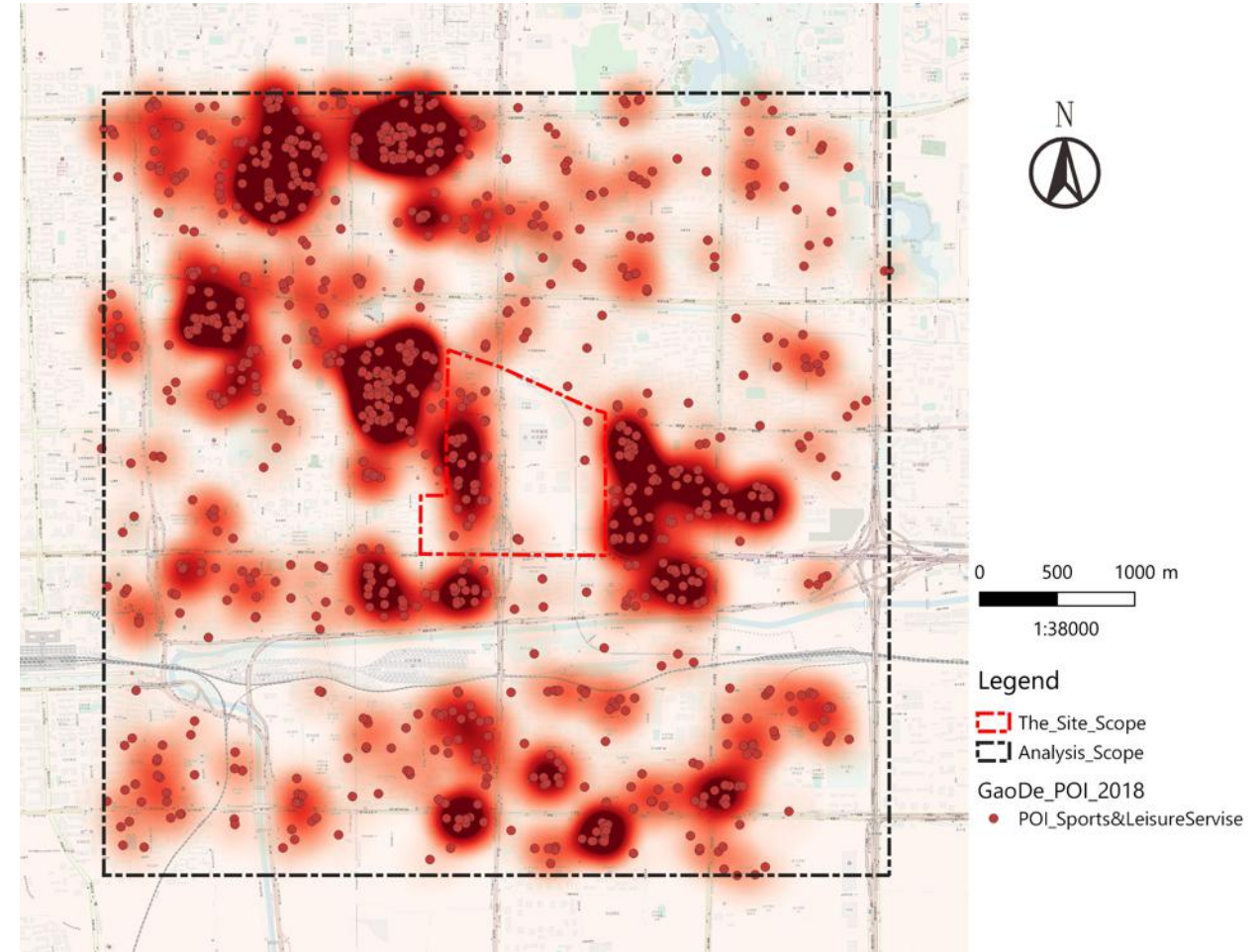
Science & Culture  
& Education Service

# Data Contents

## 4. POIs



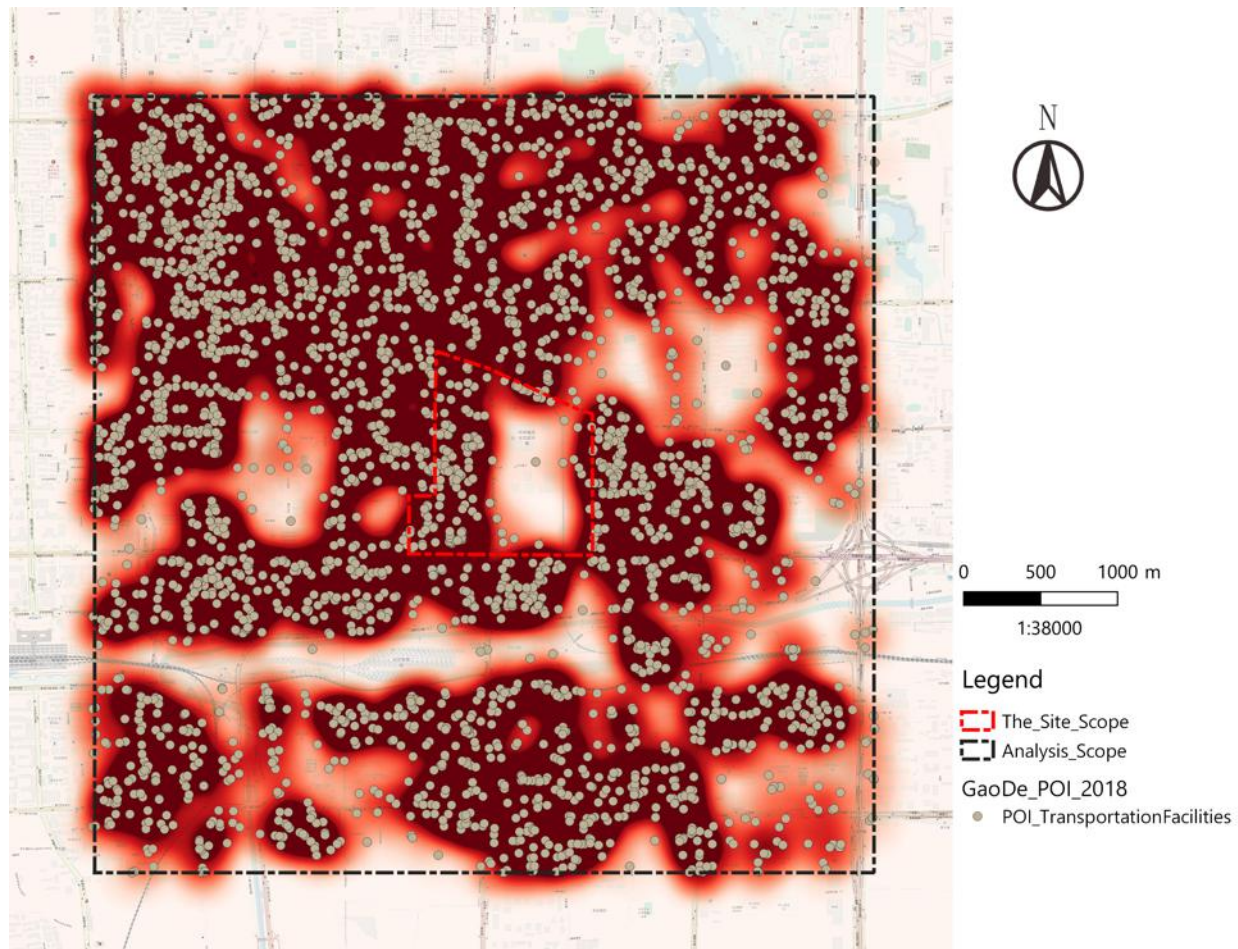
ShoppingService



Sports & LeisureService

# Data Contents

## 4. POIs



Transport Facilities

# Data Contents

## 5. AOIs

File Name: AOI\_2018

File Type: Polygon

Amount: 1013

### Key Elements:

	NAME	ADDRESS	BASETYPE	CATEGORY
example	西大望路37号院	西大望路37号	Commercial & Residential	Resident Community

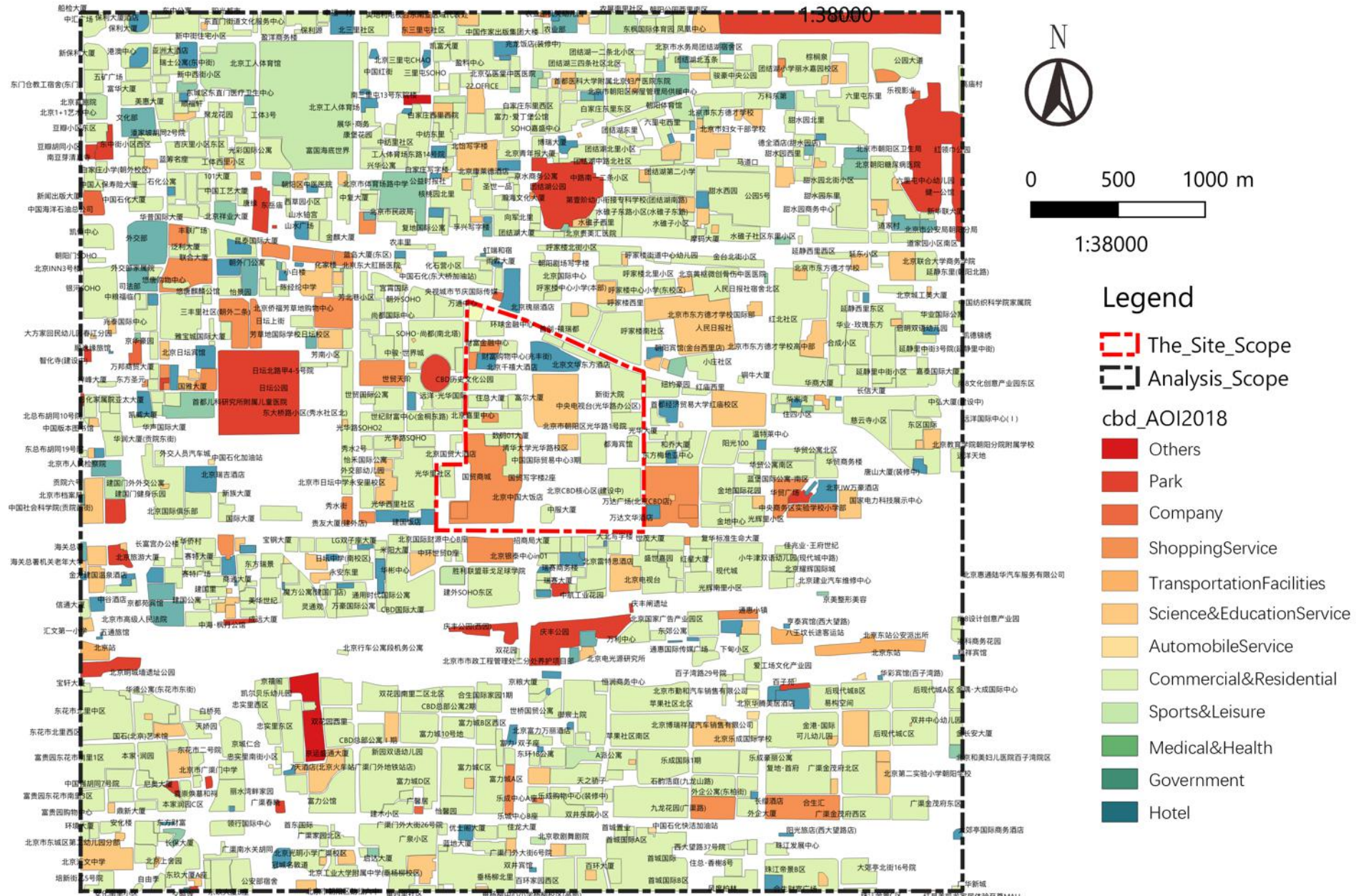
<https://geohey.com/apps/dataviz/0329a94cb91247aaad51e79fdf2405b3/share?ak=YjM5YjQ2ZmRkZDgwNGQyYzk0M2RmZTY4MDMwNGI4ZDc>



type

# Data Contents

## 5. AOIs





# Data Contents

## 6. Dianping Comments

File Name: Dianping2014

File Type: Point

Amount: 40612

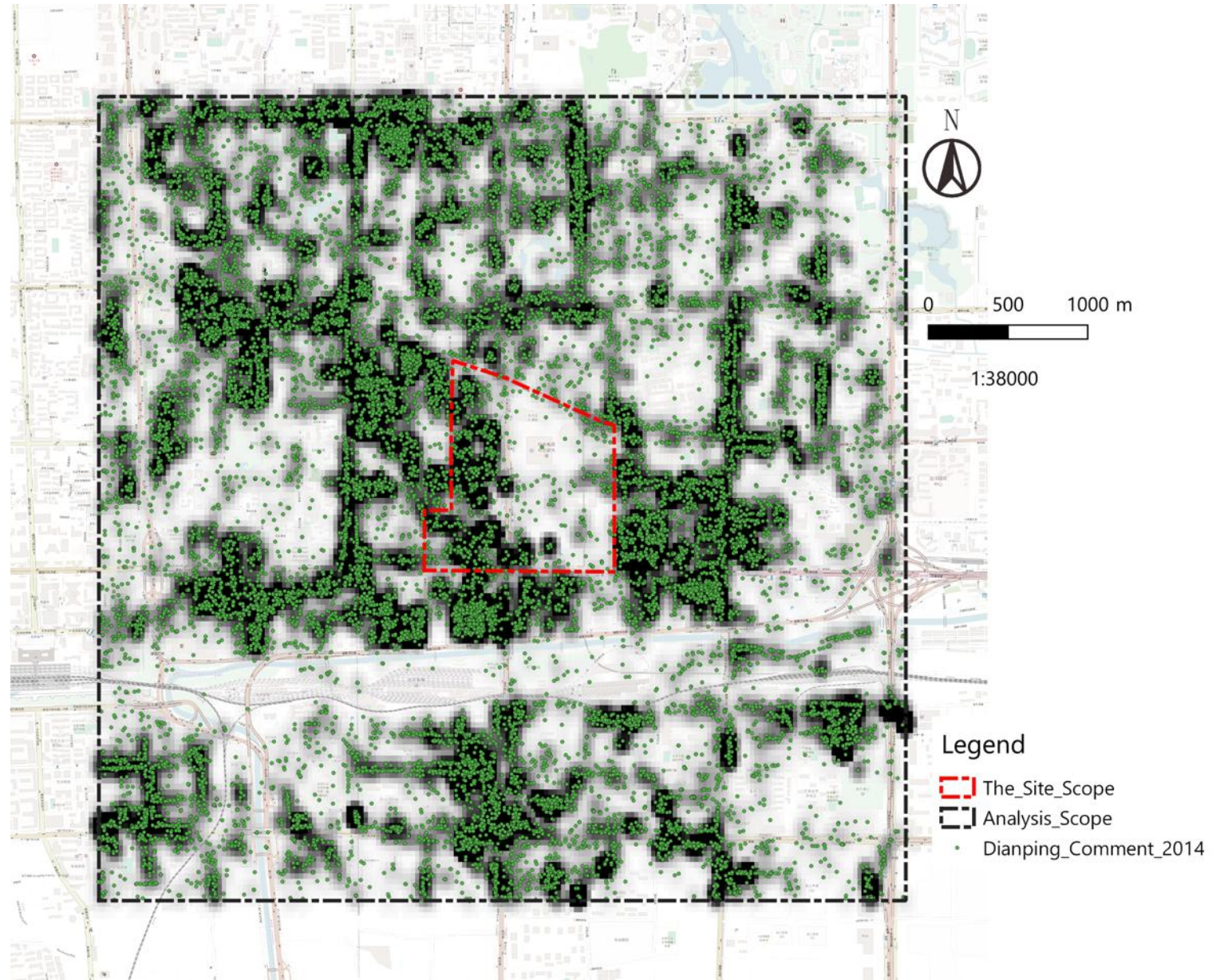


### Key Elements:

	name	big_cate	small_cate	address
example	鸭王烤鸭店(建国门店)	restaurant	Beijing cuisine	建国门外大街24号(赛特购物中心西侧)

stars	product_rating	environment_rating	service_rating
4	8.1	7.4	7.3

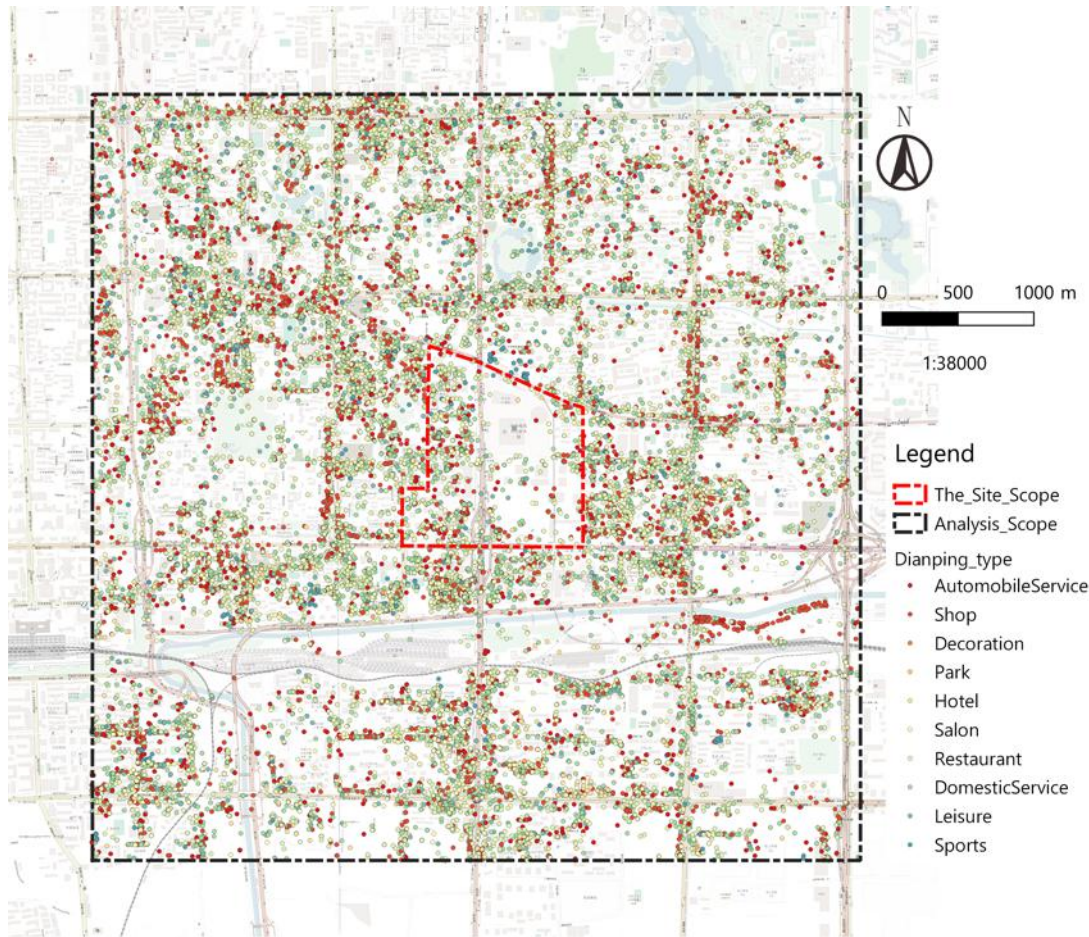
<https://geohey.com/apps/dataviz/6471c07d6596473e9cb7af208e5a4ff7/share?ak=YjM5YjQ2ZmRkZDgwNGQyYzk0M2RmZTY4MDMwN GI4ZDc>



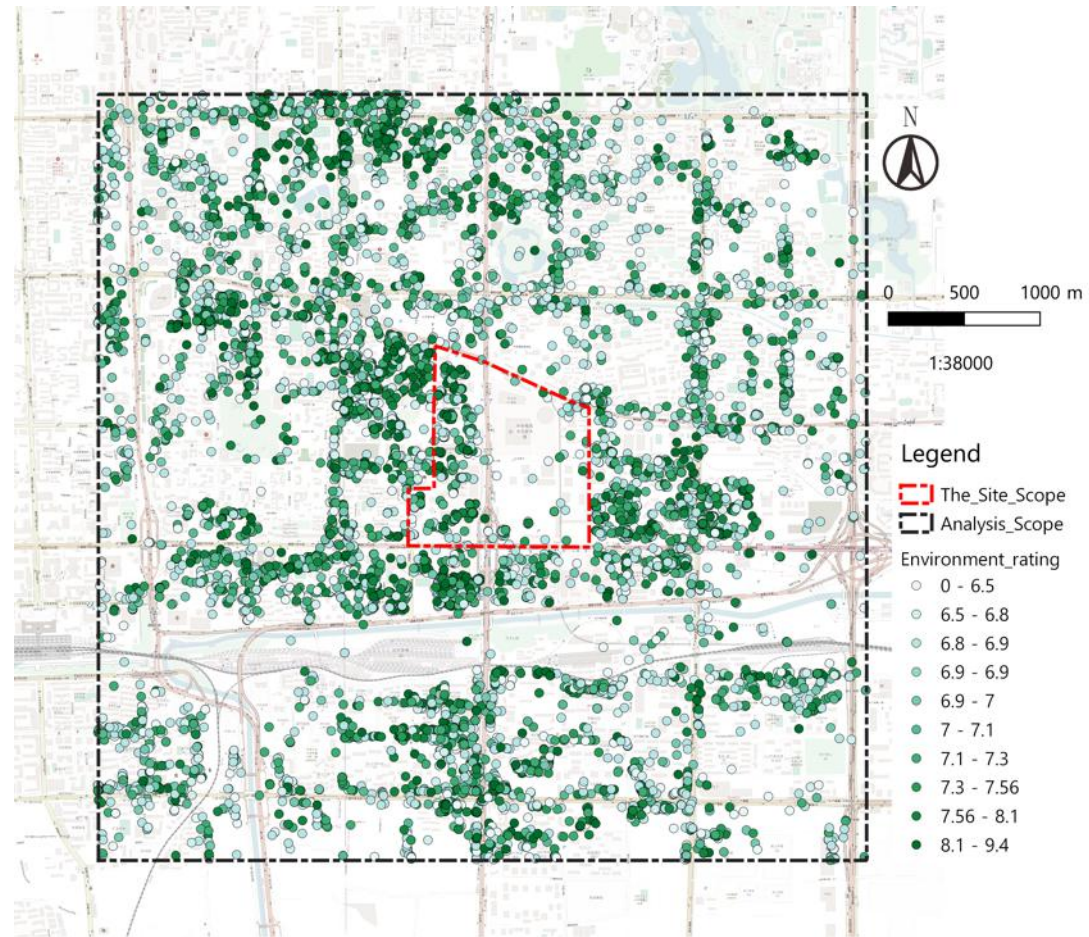
kernel analysis

# Data Contents

## 6. Dianping Comments



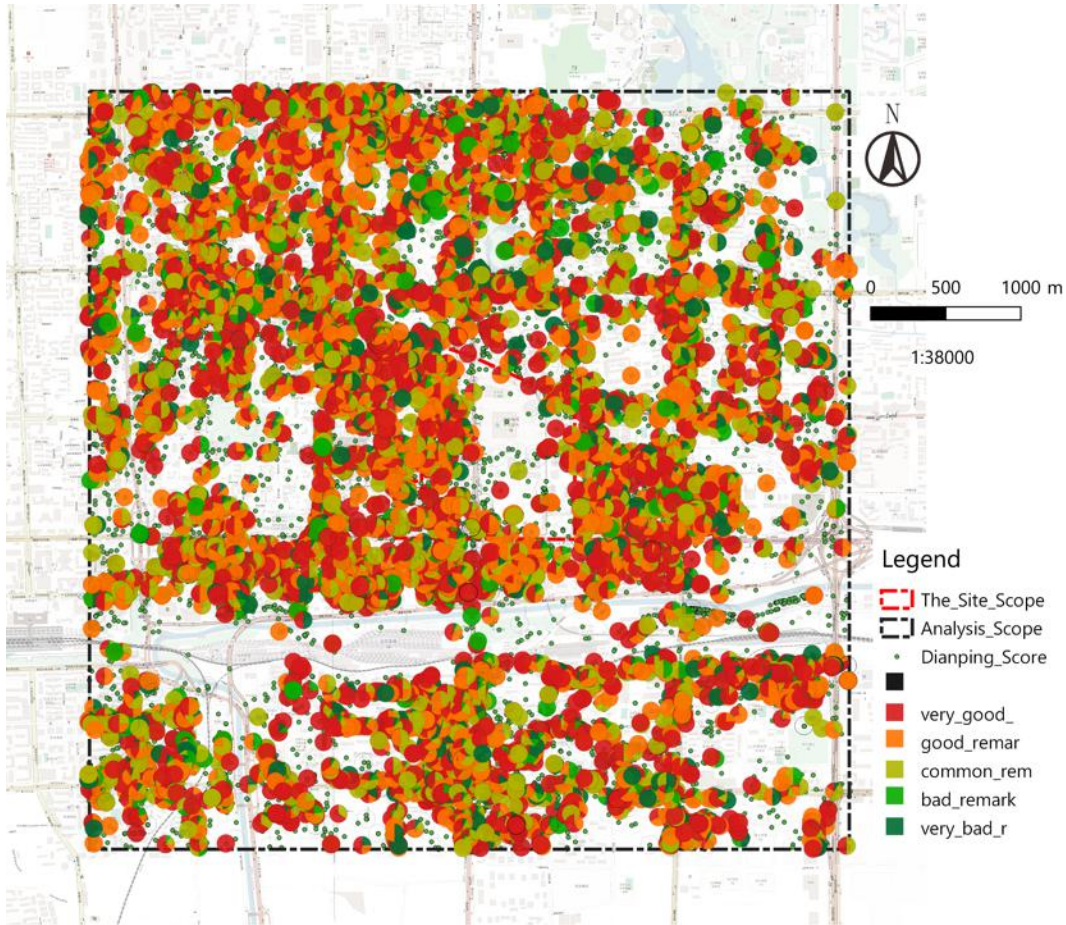
Type



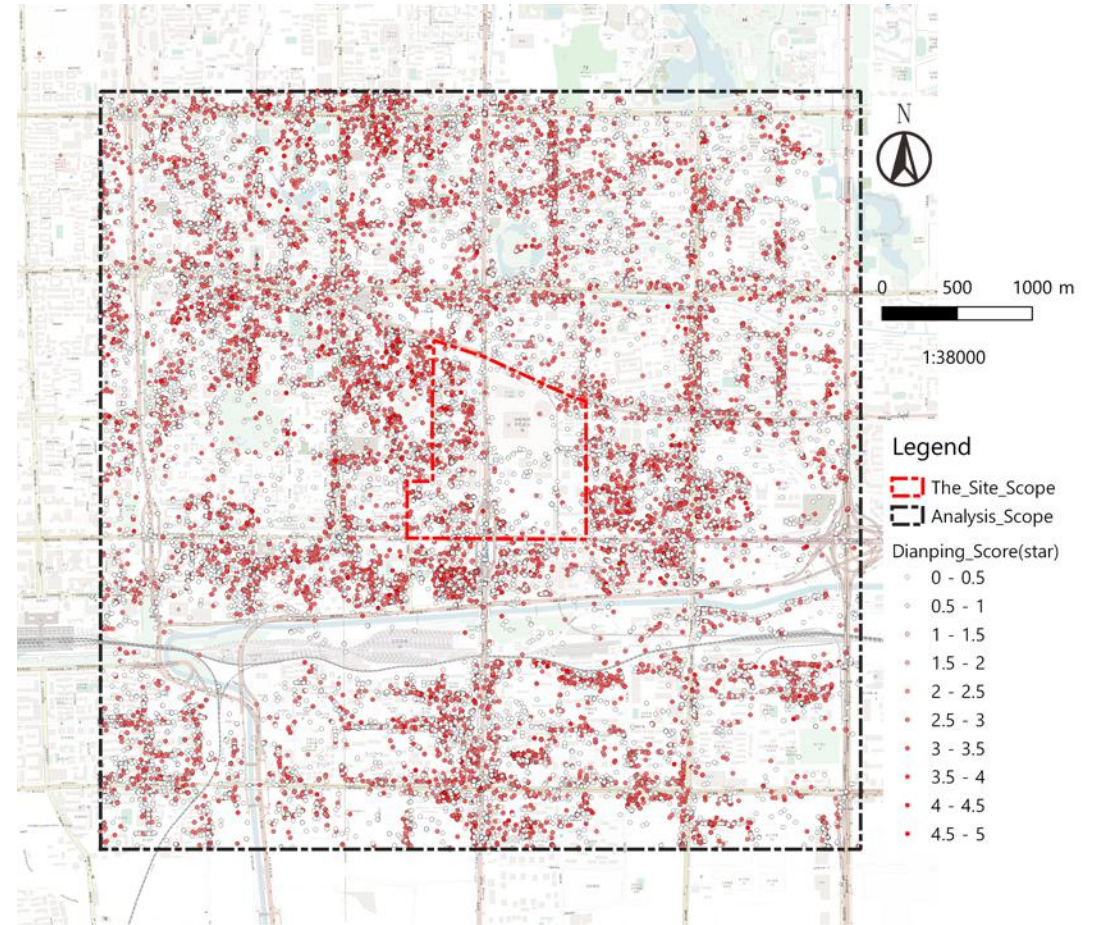
Environment Rating

# Data Contents

## 6. Dianping Comments



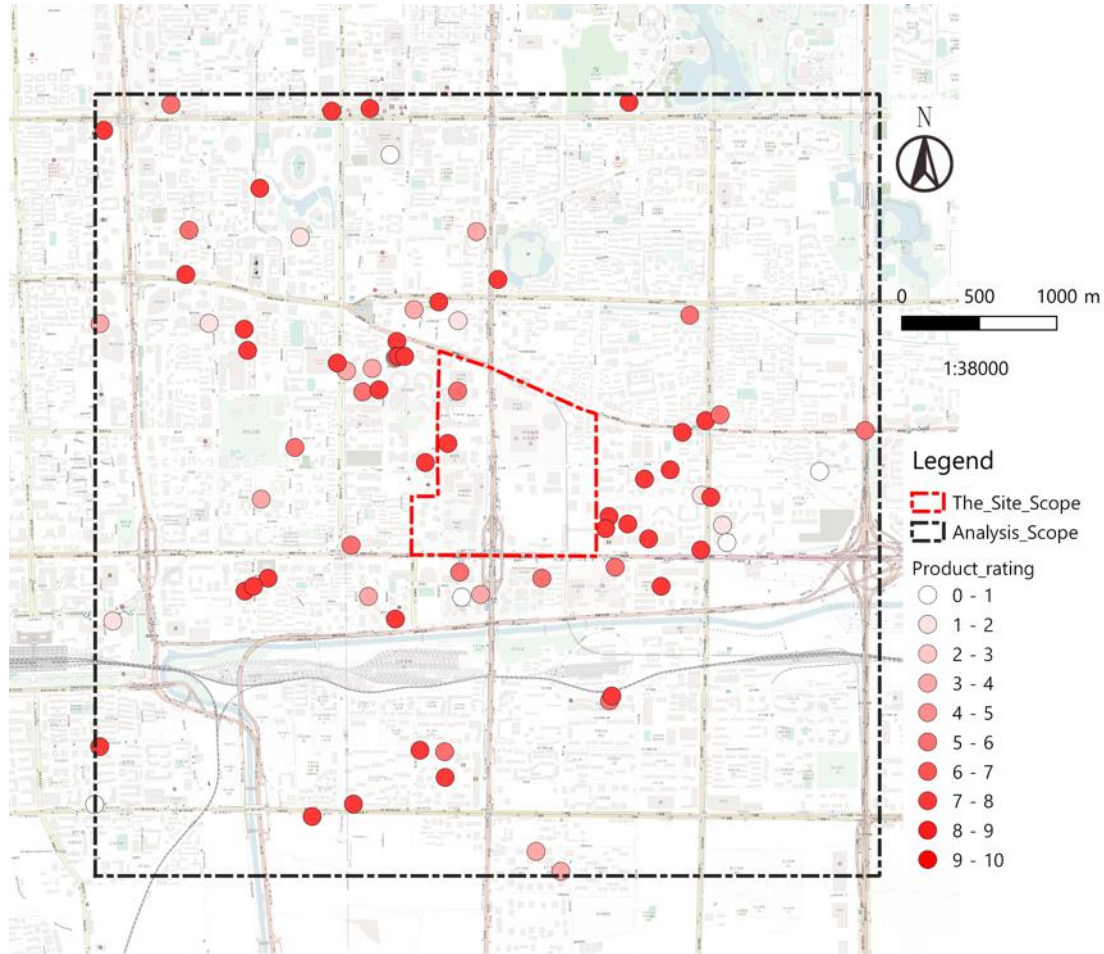
Dianping\_Score



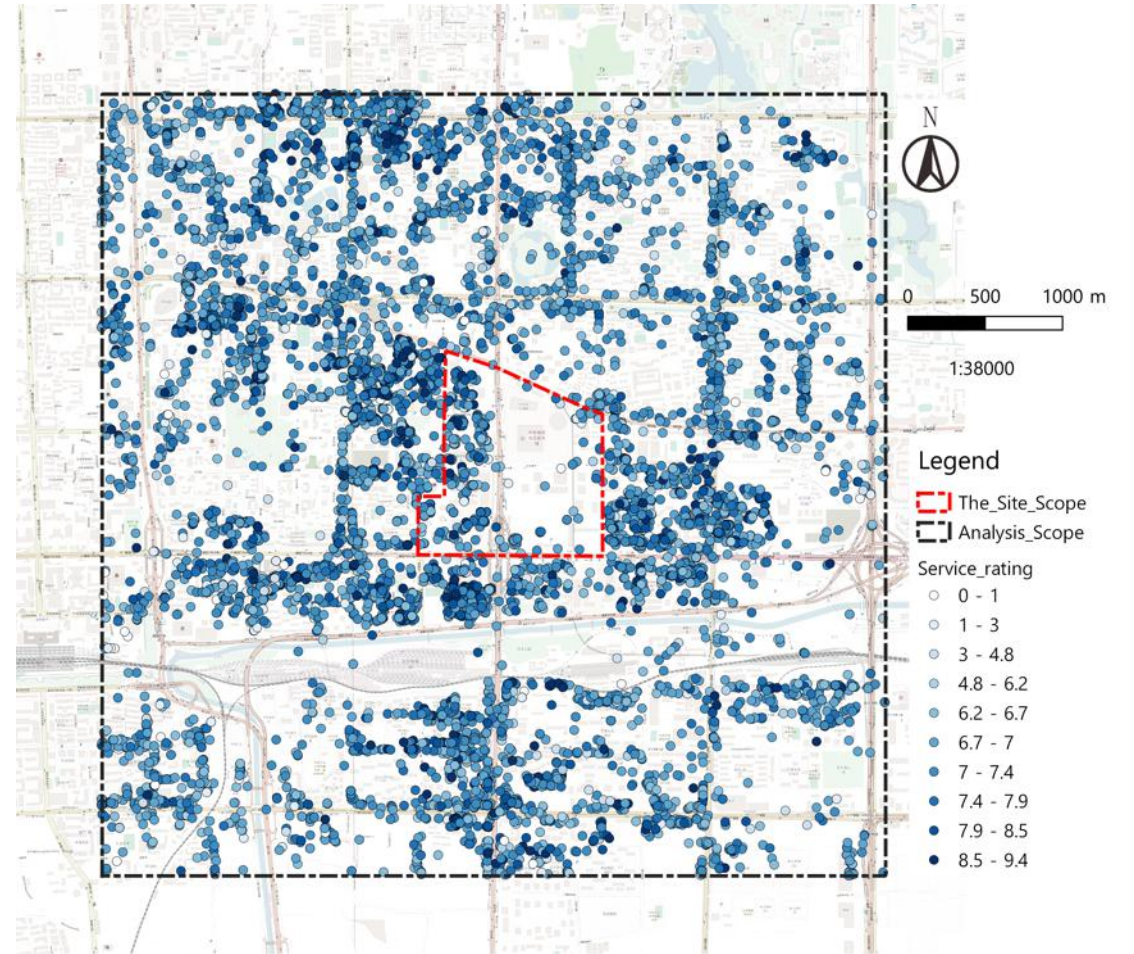
Dianping\_Score(Star)

# Data Contents

## 6. Dianping Comments



Product Rating



Service Rating

# Data Contents

## 7. Weibo Posts

File Name: Weibo\_2018

File Type: Point

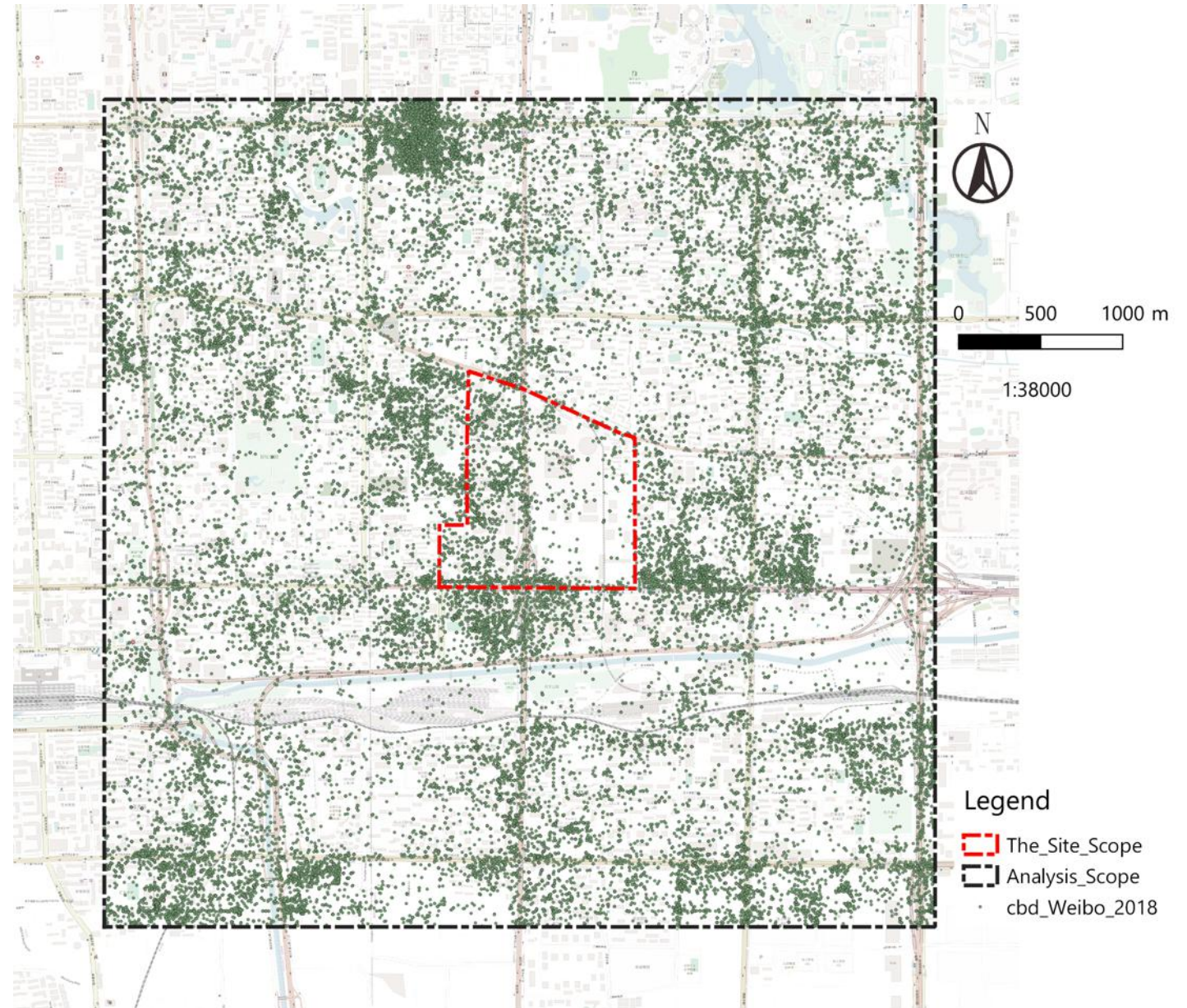
Amount: 285978



### Key Elements:

	OBJECTID	tweet_content	source	user_id
example	504	"On the road"	iPhone 6	2674120582

<https://geohey.com/apps/dataviz/0d21c7b01c664ad2a266f8734c628597/share?ak=YjM5YjQ2ZmRkZDgwNGQyYzk0M2RmZTY4M0MwNGI4ZDc>



# Data Contents

## 7. Residential Communities

File Name: Residential\_Communities

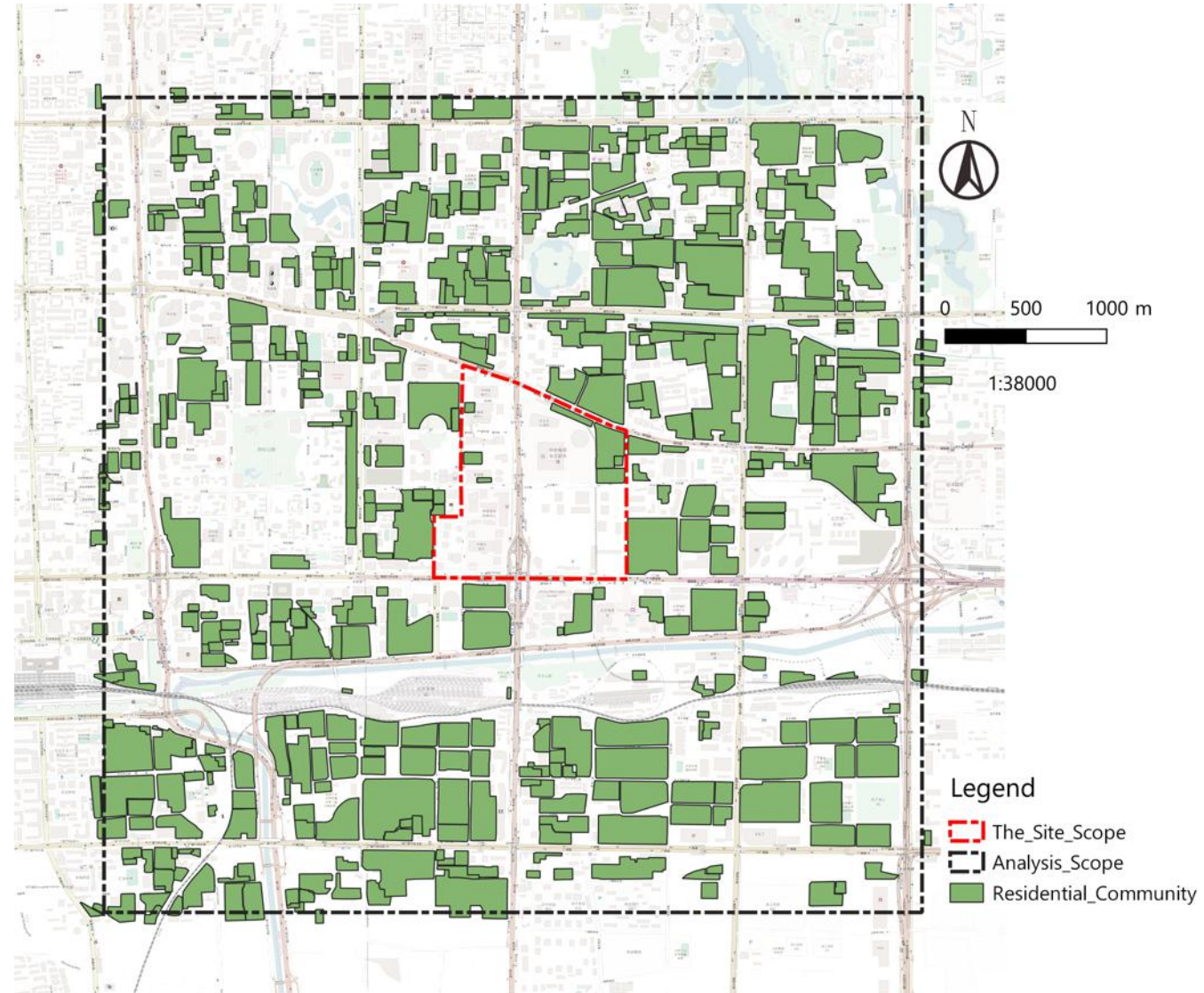
File Type: Polygon

Amount: 483

### Key Elements:

	name	Source	Social
example	CBD ZONGBU Apartment	1	0

<https://geohey.com/apps/dataviz/d0275cc8bec747179deaf70c64dcd52f/share?ak=YjM5YjQ2ZmRkZDgwNGQyYzk0M2RmZTY4MDMwNGI4ZDc>



type

# Data Contents

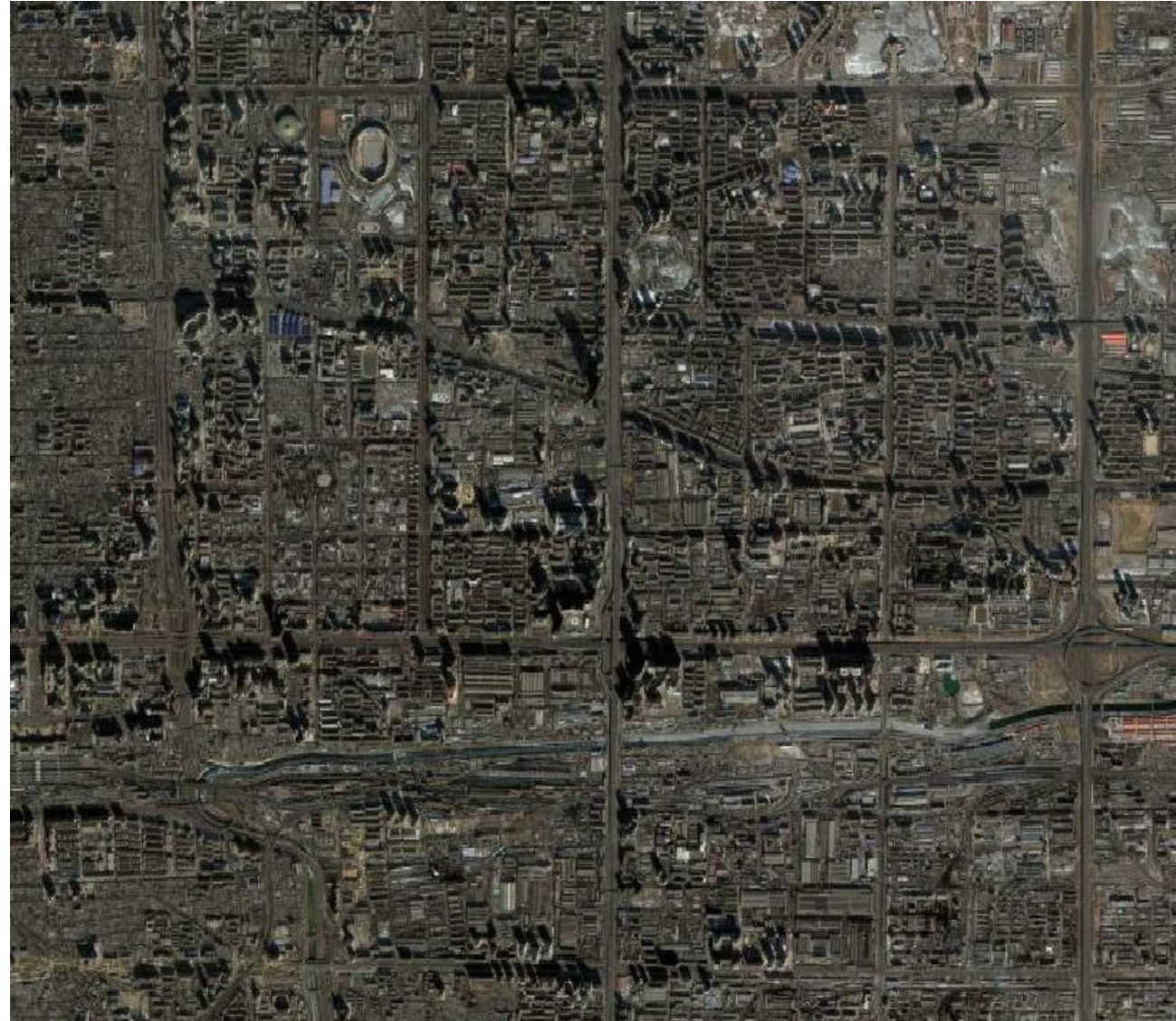
## 9. Remote Sensing Imagery in the past years

### Timeline:

2001/1/28	2005/1/19
2010/9/27	2015/8/24
2019/11/24	

### File Type: (.tif)

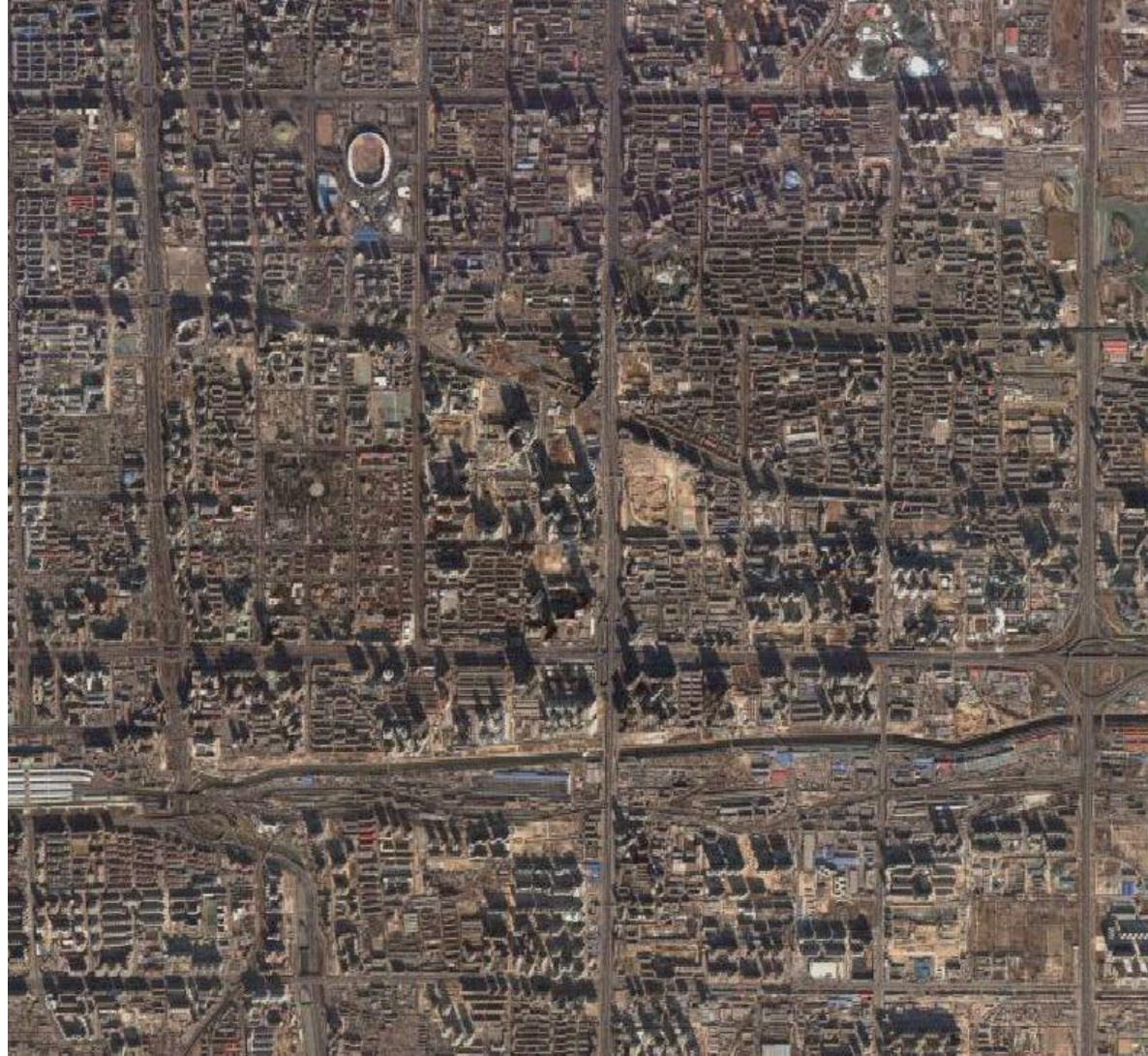
	big	mid	small
Size	600MB	45MB	4MB



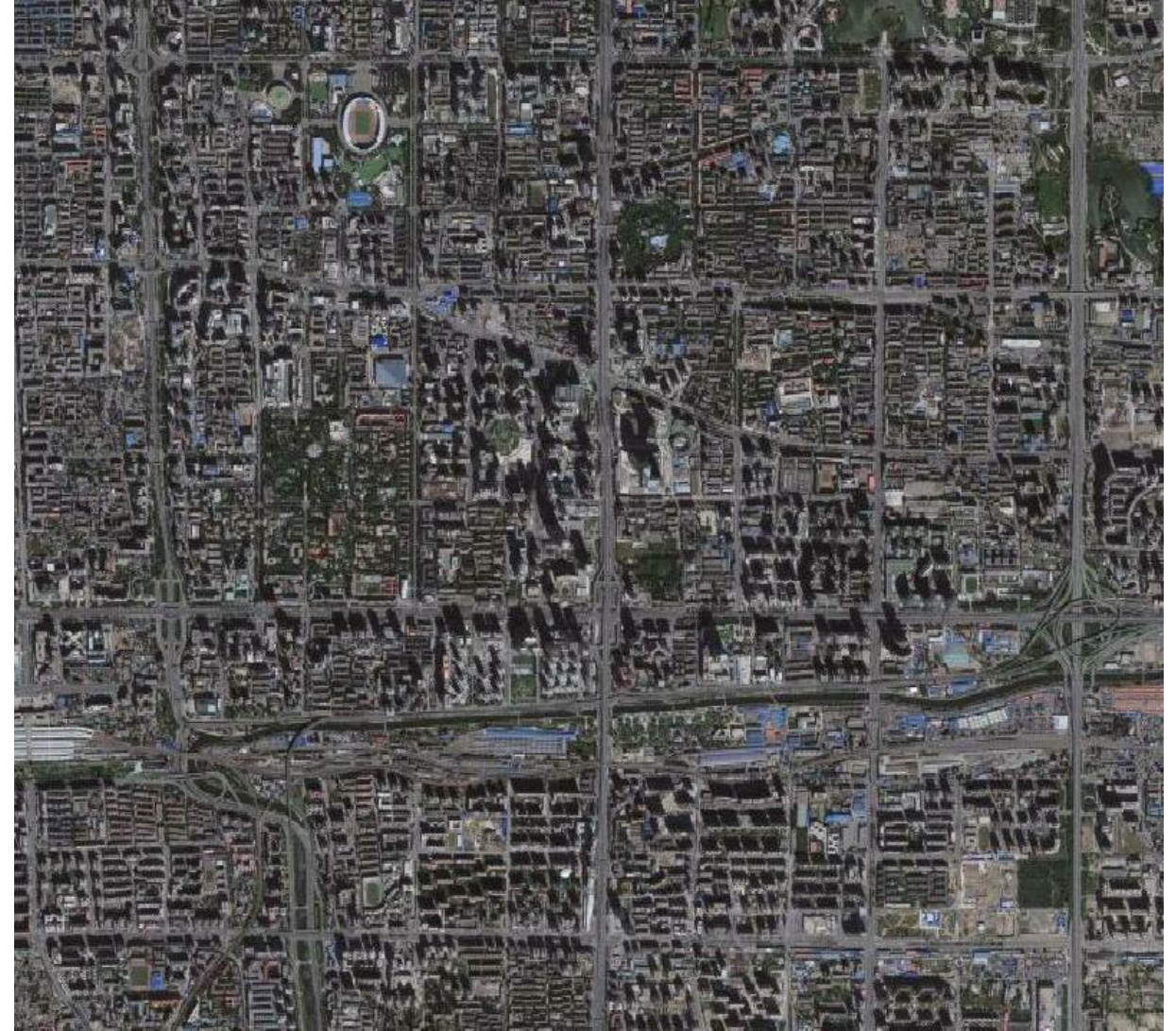
2001

# Data Contents

## 9. Remote Sensing Imagery in the past years



2005

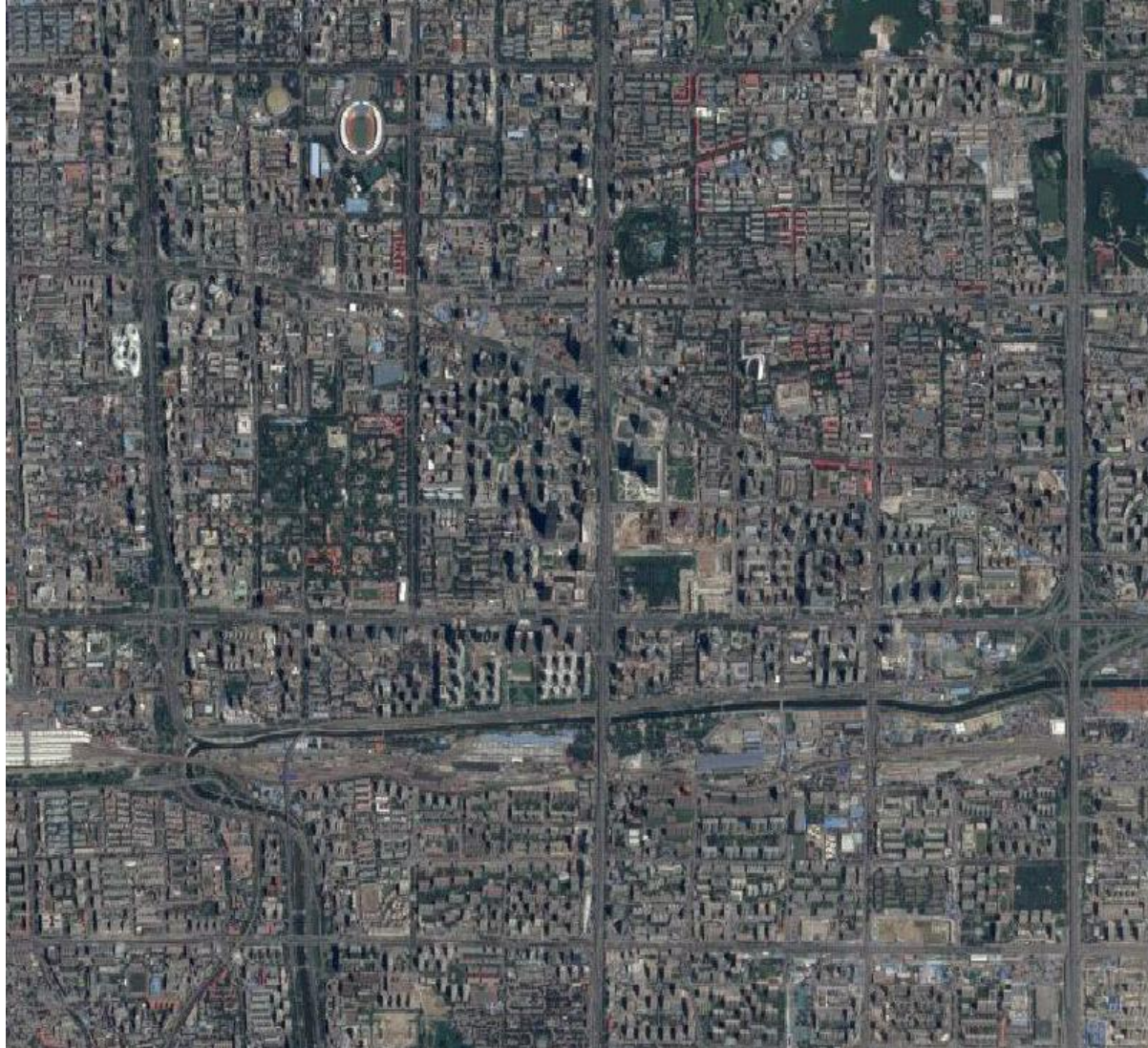


2010

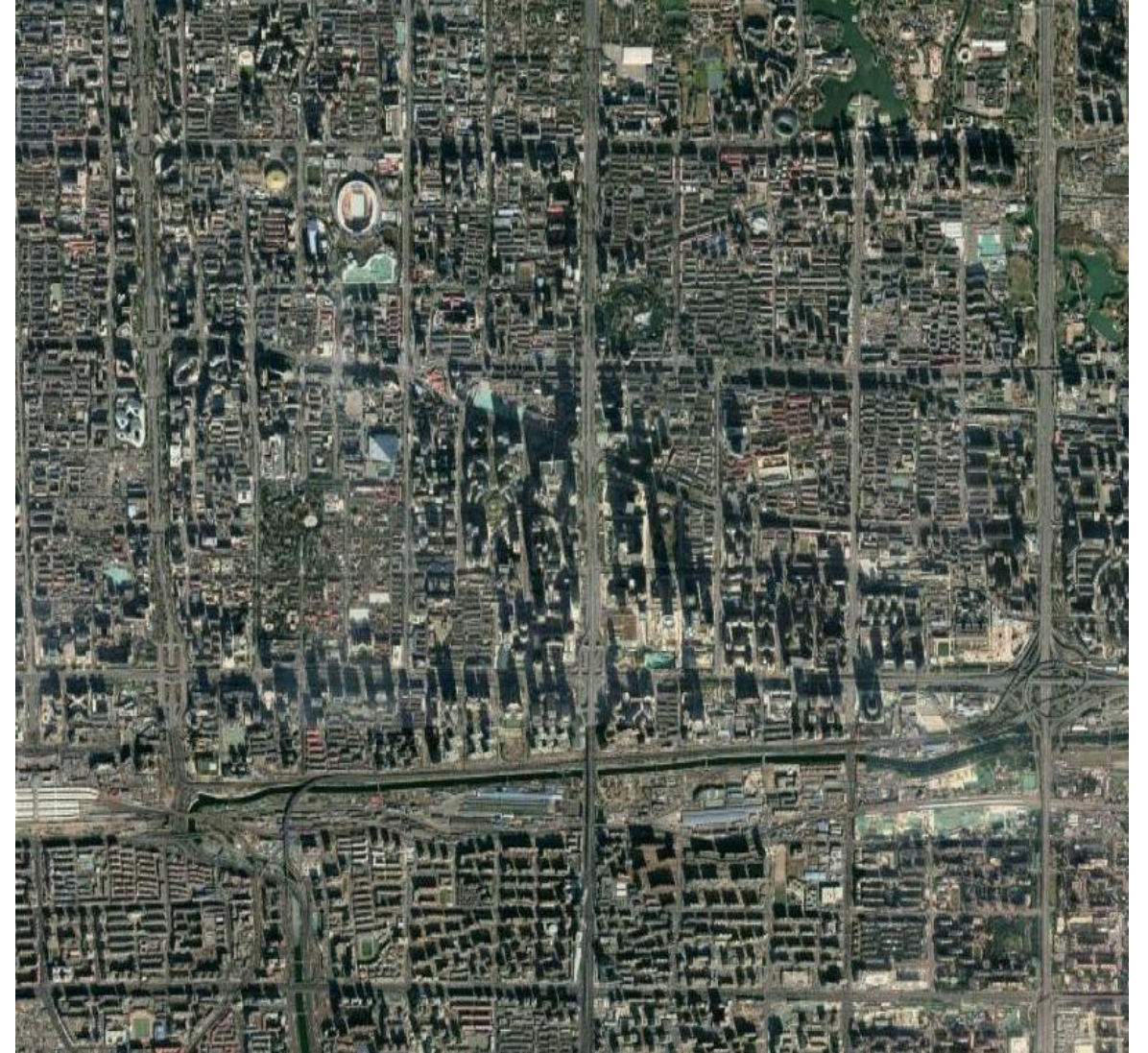


# Data Contents

## 9. Remote Sensing Imagery over the years



2015



2019

# Data Contents

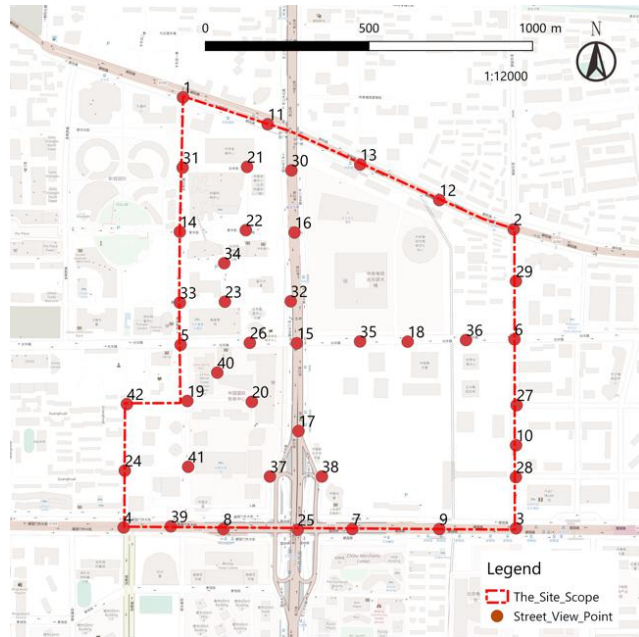
## 10. Street View Images

Timeline:

2013.07	2017.06
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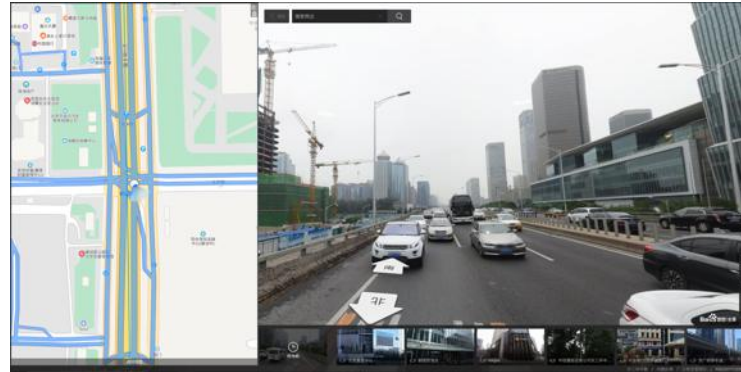


Number of View\_pionts: 42

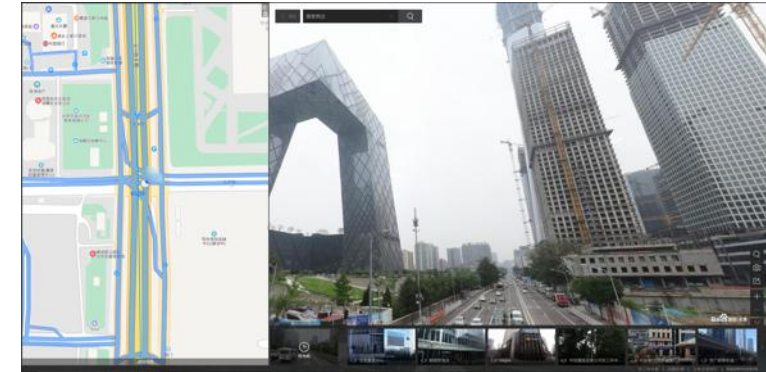


<https://geohey.com/apps/dataviz/210aab5e130a4bec8e83f0bb3ffb04a2/share?ak=Yjm5YjQ2ZmRkZDgwNGQyYzk0M2RmZTY4MDMwNGI4ZDc>

Sample:



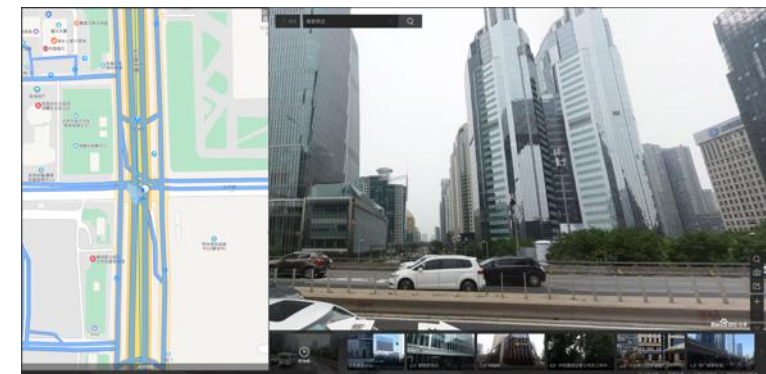
14-1 (Direction: South)



14-2 (Direction: West)



14-3 (Direction: North)



14-4 (Direction: East)

THANKS

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