Capstone Spring Check In

- Park Zone Division
- Temperature Division
- Park Weekly Visitation by Temperature Group
- POI Visitation Change Rate

POI List with Shaded Level and Water feature

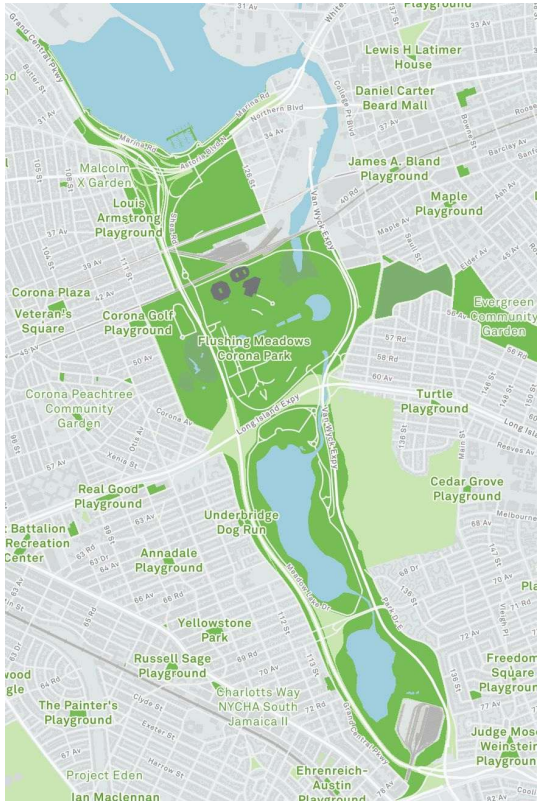
Park	Name by Land Use	Type	Land Cover	Large Event	Small Event	Hour Visits Aggregated by Week	Water Area
Flushing Meadow Park	Water Front Zone_FM	Custom	Lakeside with trails	06-24 +220%,	05-01 +106% , 08-31 +122%	04-15 ~ 09-29	1
	Athletic Zone_FM	Custom	Open fields with trees	06-07 ~ 06-09 Music Show,		T	0
	Plaza Zone_FM	Custom	Open plazas with trees	06-07 ~ 06-09 Music Show, 08-26 ~ 09-08 US Open		T	1
	Recreation Zone_FM	Custom	Open meadow with trees	07-20 Music Show, 08-03 Boat Festival	05-26 +117%,	T	1
Prospect Park	Entrance Zone_P	Custom	Entrance/Forested with trails	04-28 Half Marathon,	06-22 +112%	T	0
	Trail Zone_P	Custom	Forested with trails	04-28 Half Marathon		T	1
	Athletic Zone_P	Custom	Open fields with trees		06-15 +109%	T	0
	Villa Green Zone_P	Custom	Playgrounds/Forested with trails	07-30 +410%	06-15 +104%, 06-22 +112%,	T	0
	Lakeside Zone_P	Custom	Lakeside with trails			T	1
	Meadows Zone_P	Custom	Open meadow with trees	04-28 Half Marathon,	06-22 +175%	T	1
Kissena Corridor Park	Athletic Zone_K	Custom	Open Field with Tree			T	0
	Nature and Trail Zone_K	Custom	Lakeside with Forest and Trail			04-08 ~ 09-22	1

Methodology

Park Zones

- **Flushing Meadow Park**

Park	Name by Land Use	Type	Land Use Land Cover	api-id	Daily Visits
Flushing Meadow Park	Water Front Zone_FM	Custom	Lakeside with trails	675a40dafbd70689d03d527e	N/A
	Queens Zoo	Public	Forested with trails	cb292b9ee536029ceb419d26	T
	Athletic Zone_FM	Custom	Open fields with trees	6792c76f9e7bbeaa566ef6f3	T
	Plaza Zone_FM	Custom	Open plazas with trees	6792c12b4e3ac89c43eea5a8	T
	Recreation Zone_FM	Custom	Open meadow with trees	675a0c78e36291a0a32b69c0	T
	Trail Zone_FM	Custom	Forested with trails	6759f7165165cab09c060239	N/A



Capstone Progress Presentation

Parks Zones Map

City Government

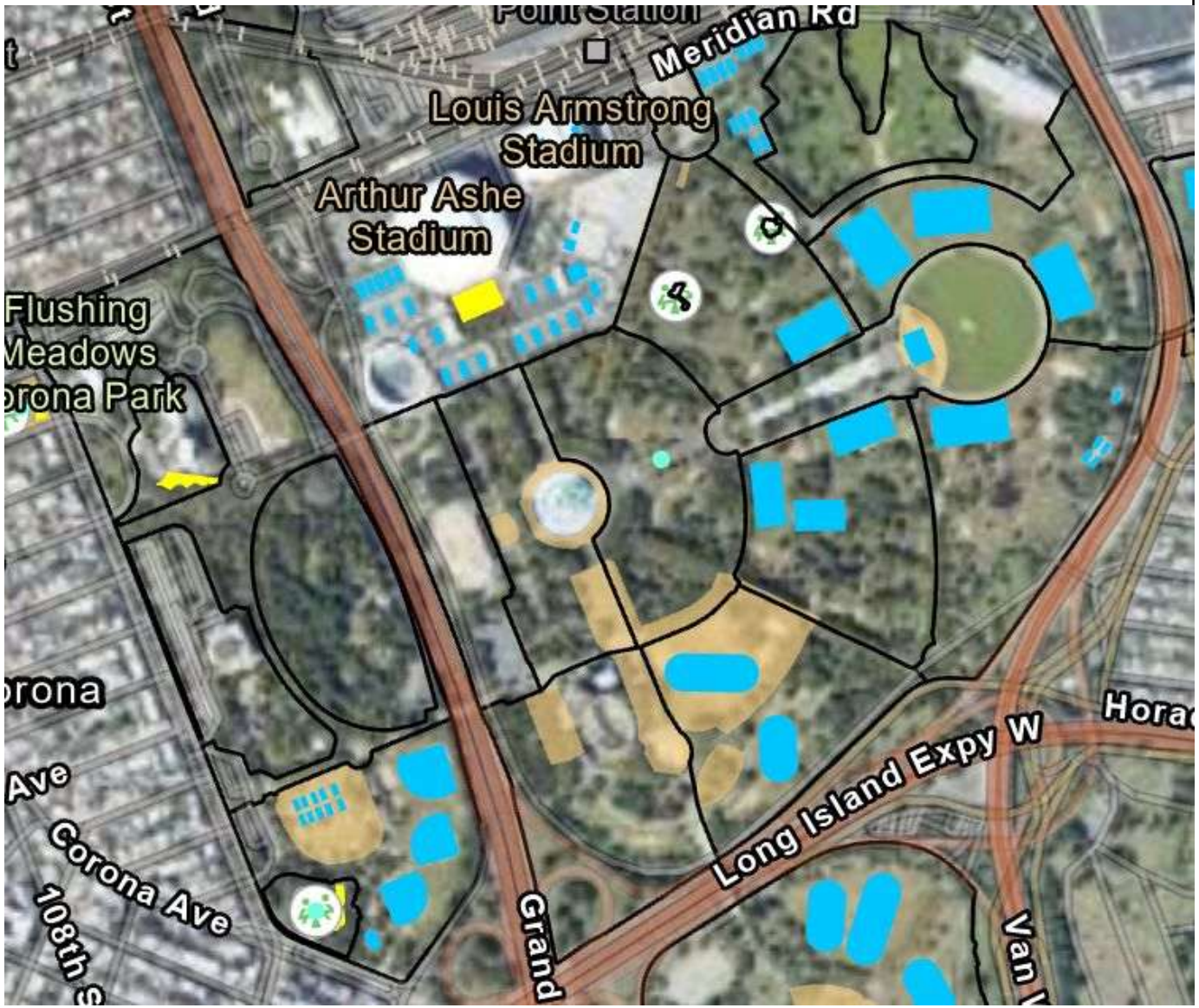
Less Info

Larger NYC parks (generally >20 acres) are subdivided into smaller sections that make inspecting these parks feasible and efficient. These sections are called "zones." The size and boundaries usually conform to one or more of the following criteria: Zones should be inspectable in 1-2 hours; zone boundaries should follow the park's features (paths, tree lines, etc) whenever possible; and/or conform to pre-existing boundaries used to divide the park for maintenance; and/or define a cohesive area within the park (ballfields, wooded areas, etc). Besides zones, this layer contains a handful of Sitting Areas that are part of larger parks but could not be defined as zones due to their smaller size.

Based on *Parks Zones*

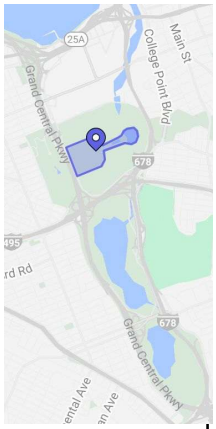
Legend

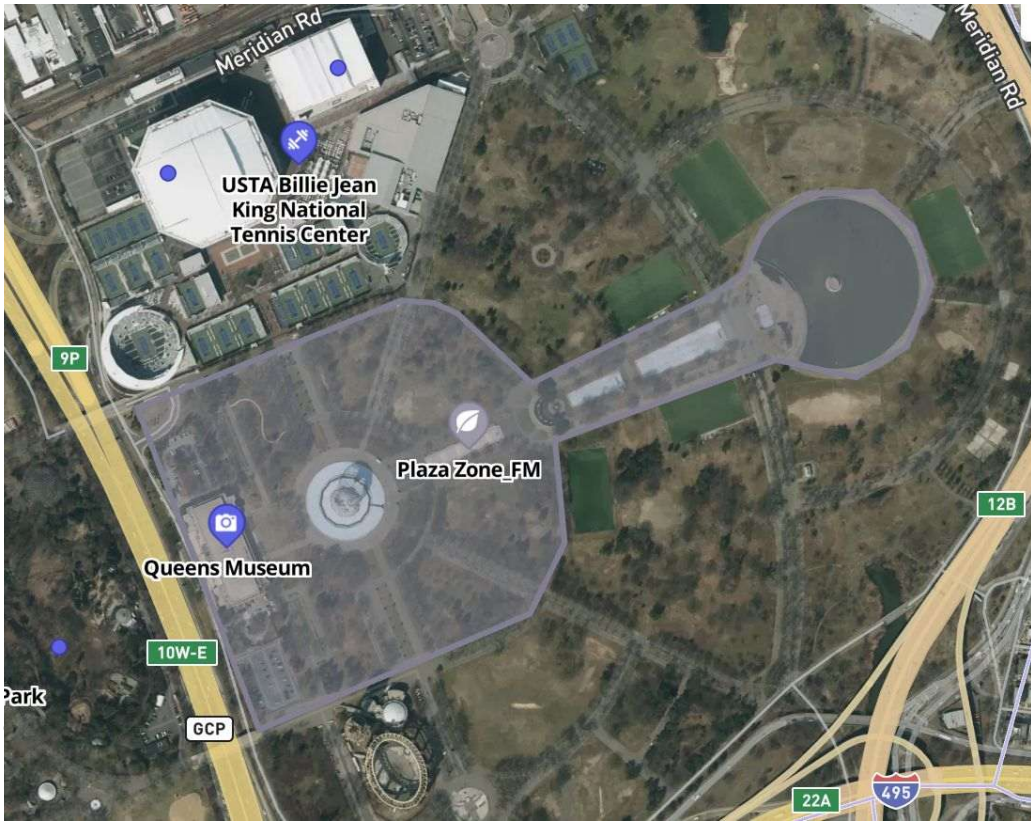
- Spray_Project
- Children_Playgrounds_P
- Playgrounds_Project
- Atheltics_Project
- Permit_areas_Project

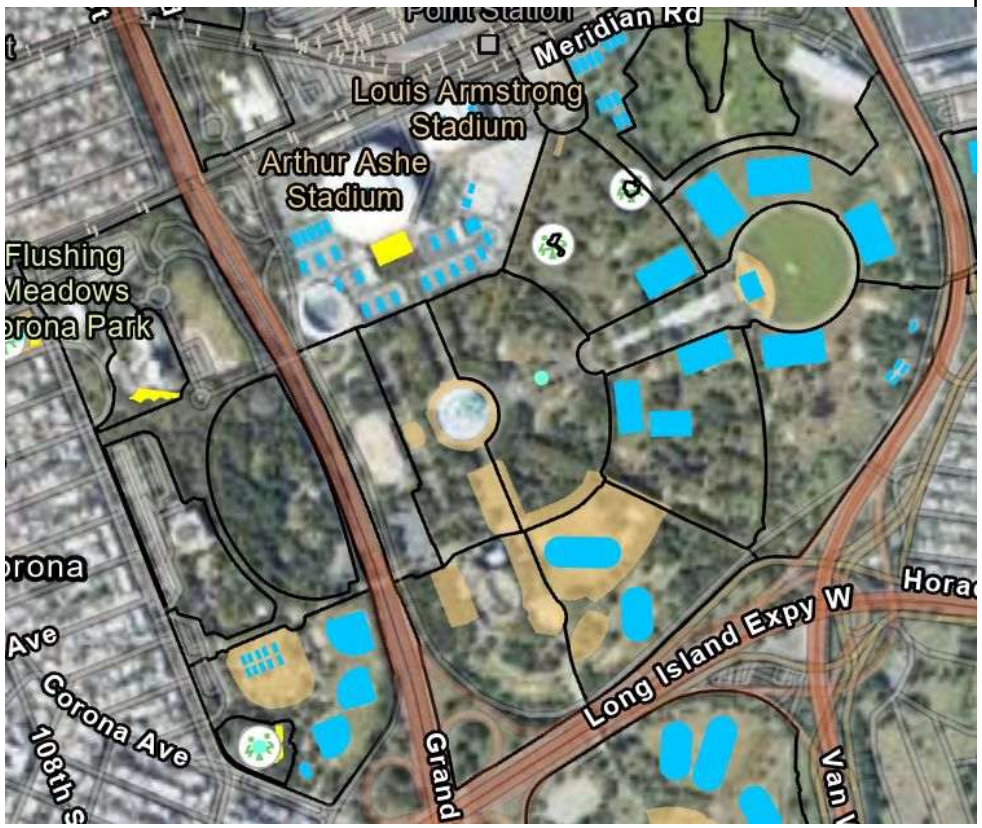


Plaza Zone

Plaza Zone_FM	Custom	Open plazas with trees	6792c12b4e3ac89c43eea5a8	T



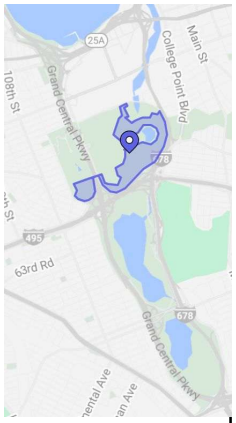


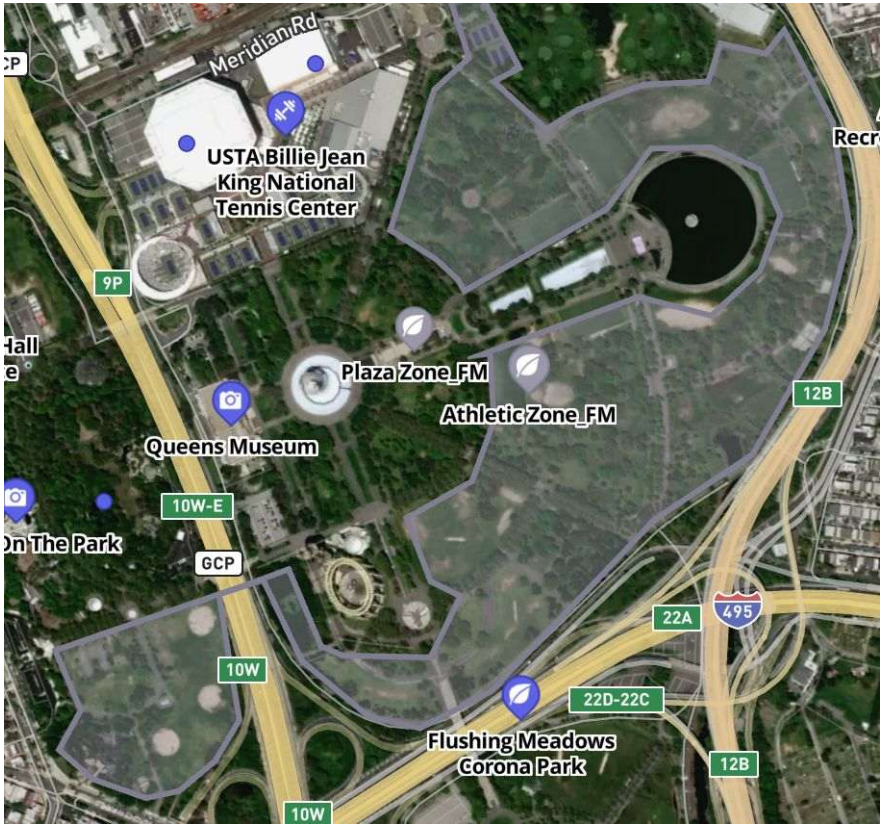


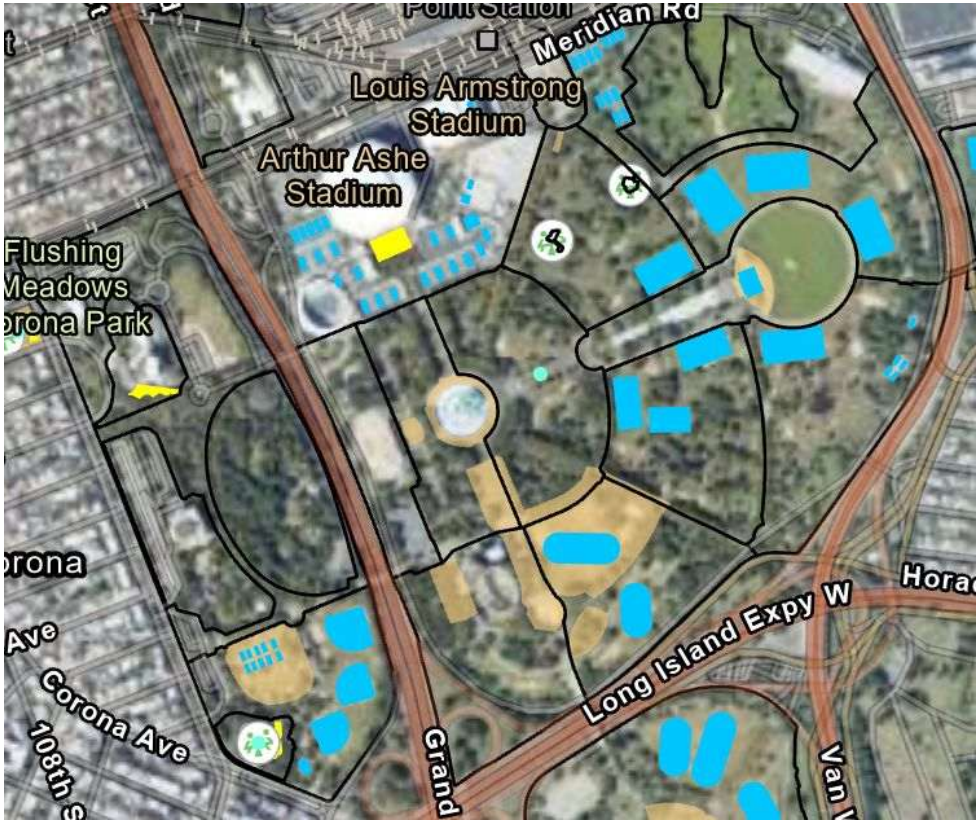
Capstone Progress Presentation

Athletic Zone

Athletic Zone_FM	Custom	Open fields with trees	6792c76f9e7bbeaa566ef6f3	T







Capstone Progress Presentation

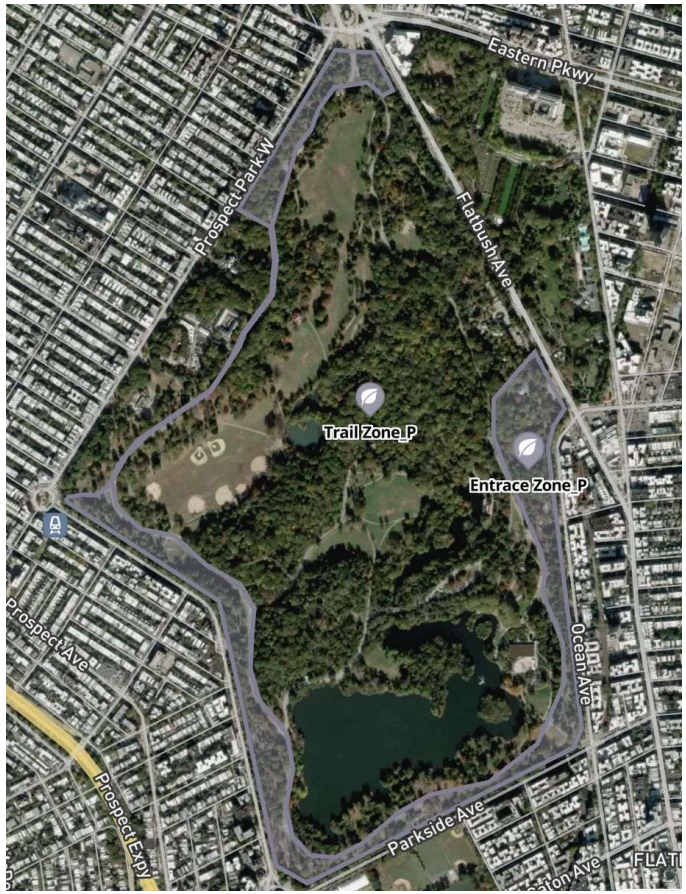
Methodology

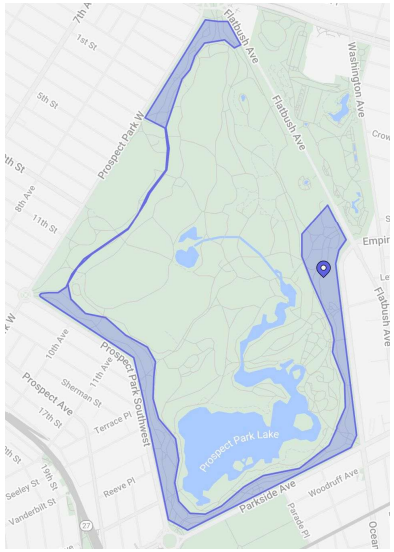
- **Park Zones**
  - **Prospect Park**

	Land Use Land Cover	api-id	Daily Visits
	Entrance/Forested with trails	6792dc426c5c973d566ef700	T
	Forested with trails	6792e38c50e3b6801b08c222	T
	Open fields with trees	6793c3ae795f2a6fea846974	T
	Playgrounds/Forested with trails	6793c85931554685e767ac0a	T
	Lakeside with trails	6793d883c818f97baf7cfe1c	T

Entrance Zone

Entrance Zone_P	Custom	Entrance/Forested with trails	6792dc426c5c973d566ef700	T

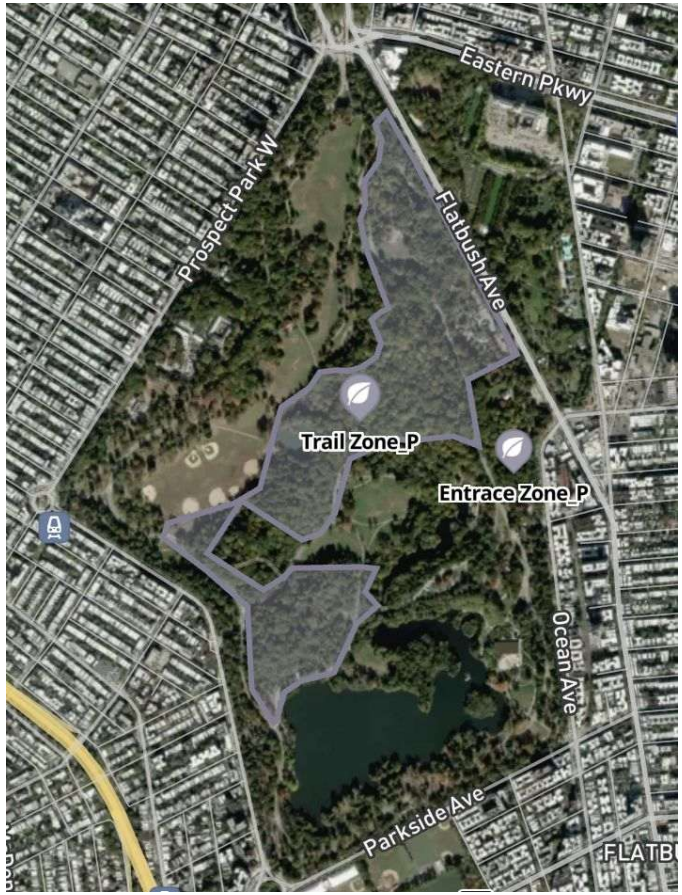


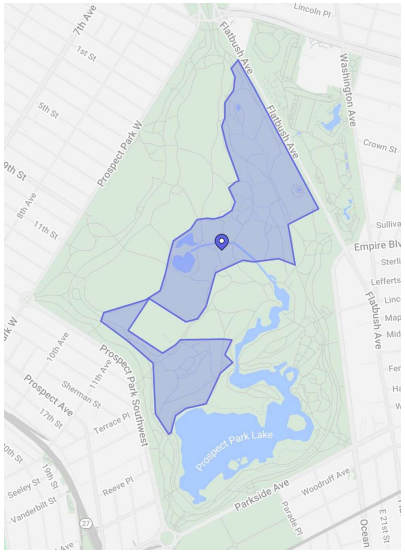


Capstone Progress Presentation

Trail Zone

Trail Zone_P	Custom	Forested with trails	6792e38c50e3b6801b08c222	T

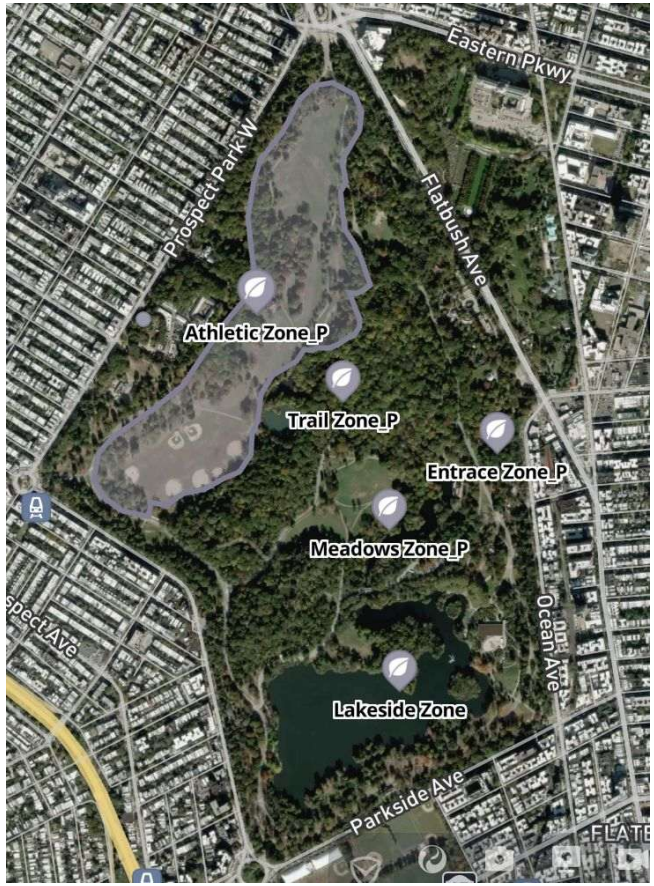


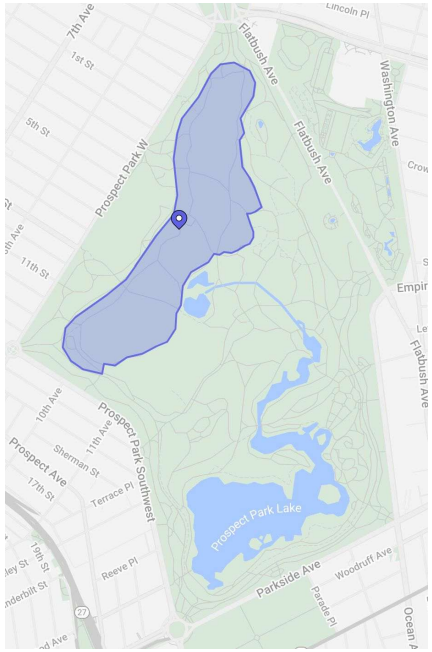


Capstone Progress Presentation

Athletic Zone

Athletic Zone_P	Custom	Open fields with trees	6793c3ae795f2a6fea846974	T

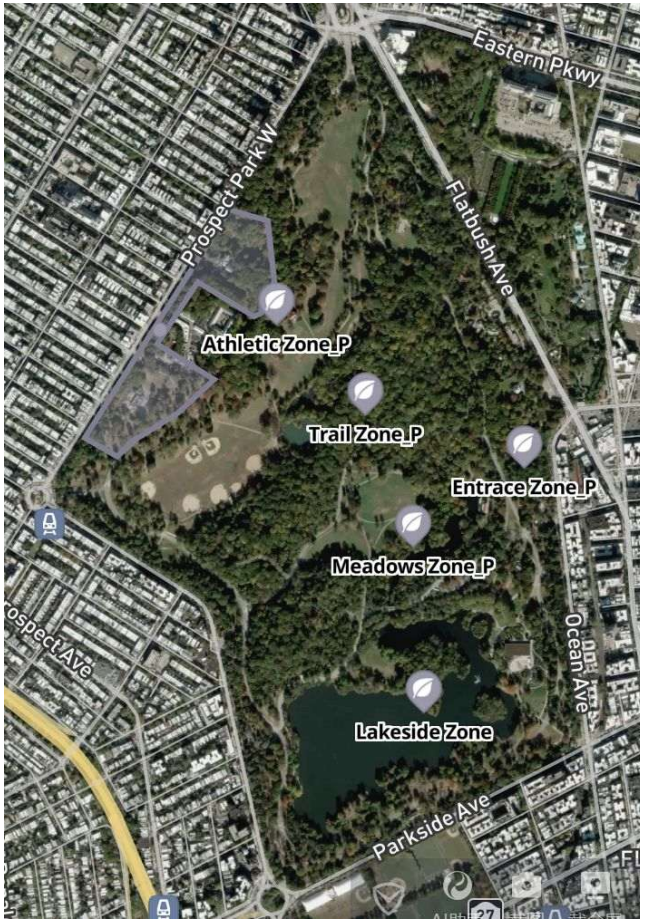


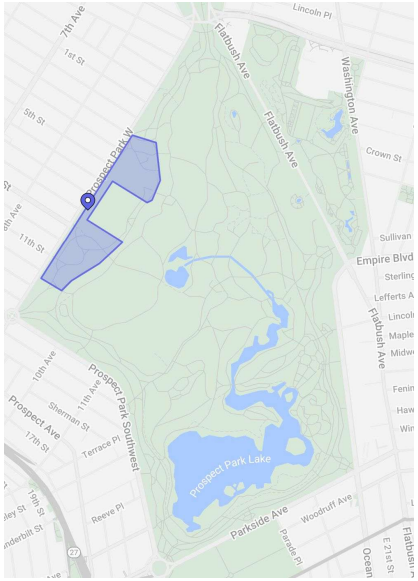


Capstone Progress Presentation

Villa Green Zone

Villa Green Zone_P	Custo m	Playgrounds/Fore sted with trails	6793c85931554685e767 ac0a	T

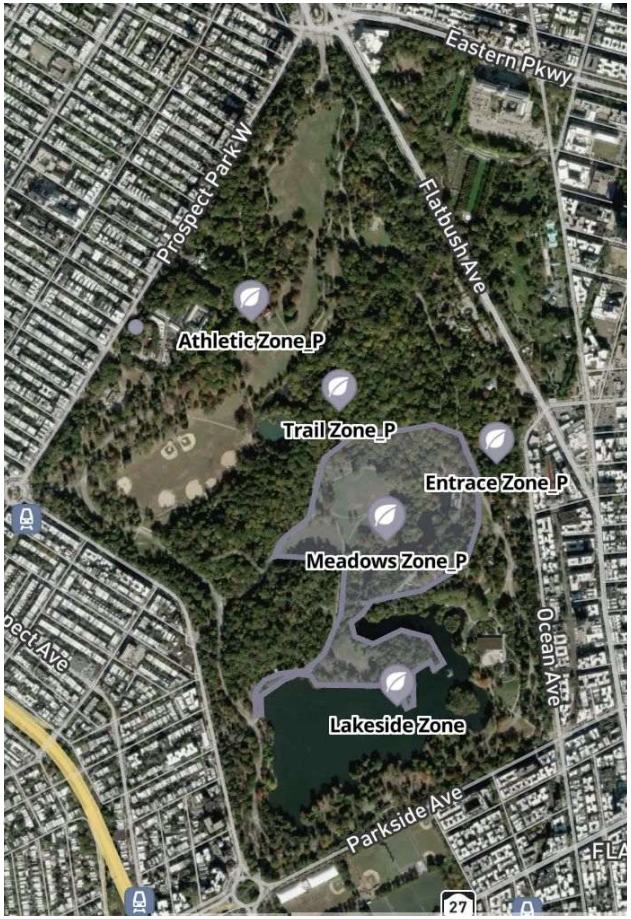


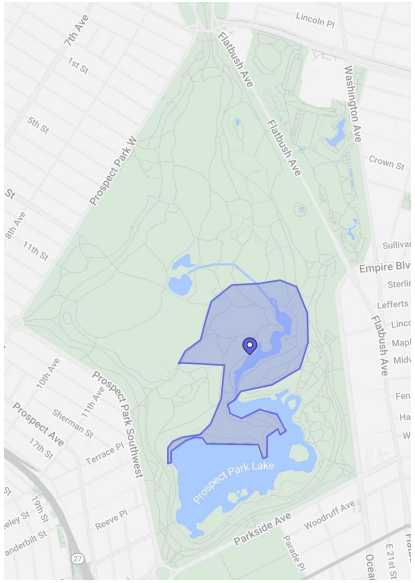


Capstone Progress Presentation

Meadows Zone

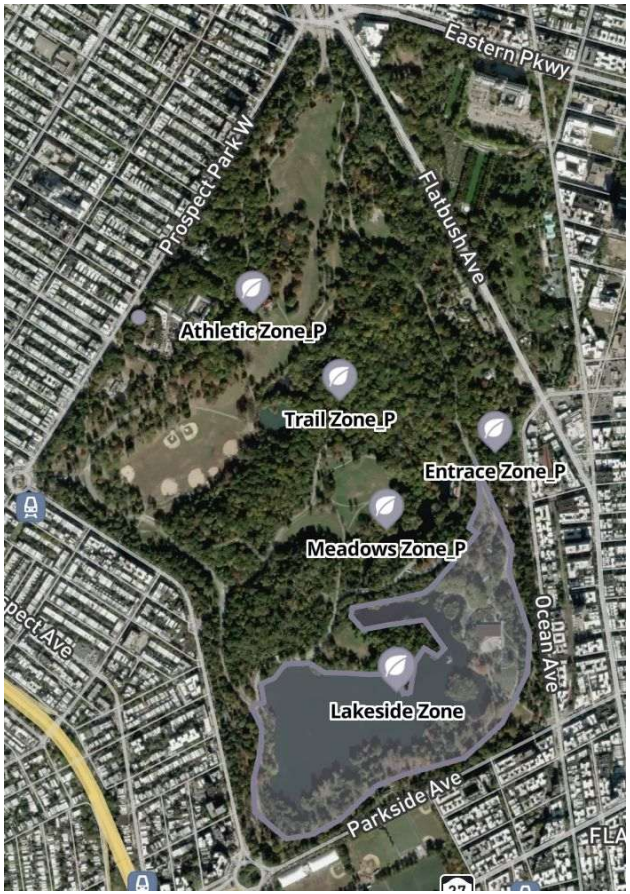
Meadows Zone_P	Custo m	Open meadow with trees	6793dd48c84cd3b294ca 0d81	T

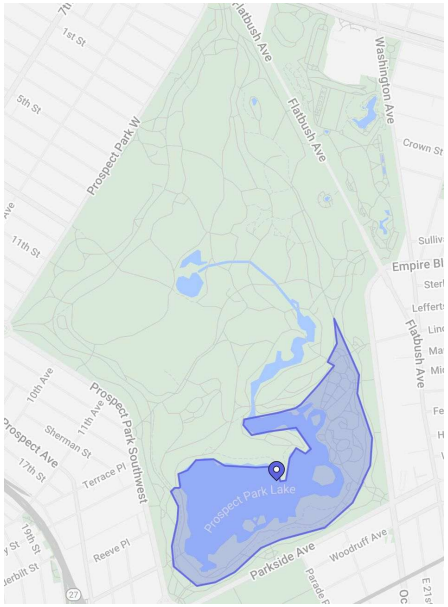




Lakeside Zone

Lakeside Zone_P	Custom	Lakeside with trails	6793d883c818f97baf7cfe1c	T





Capstone Progress Presentation

Methodology

Park Zone

- **Kissena Corridor Park**

Park	Name by Land Use	Type	Land Cover	api-id	Daily Visits
Kissena Corridor Park	Athletic Zone_K	Custom	Open Field with Tree	67969713f27601ab56facefb	T
	Recreation Zone_K	Custom	Playground/Forested with Trail	6796ac3c14d56a51172d9ce1	F
	Nature Zone_K	Custom	Lakeside with Forest	6796e4347191b1073e8d0b7d	T
	Trail Zone_K	Custom	Forested with Trails	6796e78c3c36898179e7a5e0	T
	Nature and Trail Zone_K	Custom	Forest		

Athletic Zone

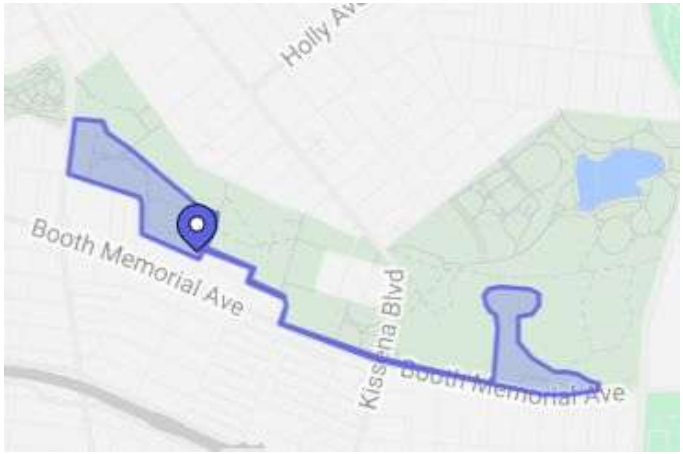
Athletic Zone_K	Custom	Open Field With Tree	67969713f27601ab56facefb	T

Capstone Check in Presentation

Capstone Progress Presentation

Recreation Zone

Recreation Zone_K	Custom	Playground/	6796ac3c14d56a51 172d9ce1	F



Capstone Check in Presentation

Capstone Progress Presentation

Nature Zone

Nature Zone_K	Custom	Lakeside with Forest	6796e4347191b1073e8d0b7d	T

Trail Zone

Trail Zone_K	Custom	Forested with Trails	6796e78c3c368981 79e7a5e0	T

Capstone Check in Presentation

Methodology

Classify Summer Days:

- Use daily heat index from **April 1 to September 29, 2024**, to categorize days into:
  - Extreme Hot Days: Heat index≥ 100°F or ≥ 95°F for two consecutive days. (NYCEM)
  - Hot Days: 100°F> Heat index≥ 90°F
  - Average-Temperature Days: 90°F> Heat index≥ 80°F
  - Cooler Days: Heat index< 80°F

Methodology

Cooler Days	Average Temperature Days
95	60
Hot Days	**Extreme Hot Days**
17	10

Date	Temperature(F)	Humidity(%)	HI	Category
2024/4/1	53	43	53	Cooler Days
2024/4/2	49	71	49	Cooler Days
2024/4/3	44	85	44	Cooler Days
2024/4/4	48	54	48	Cooler Days
2024/4/5	49	38	49	Cooler Days
2024/4/6	52	37	52	Cooler Days
2024/4/7	56	34	56	Cooler Days
2024/4/8	64	19	64	Cooler Days
2024/4/9	75	27	75	Cooler Days
2024/4/10	57	49	57	Cooler Days
2024/4/11	61	87	61	Cooler Days
2024/4/12	63	41	63	Cooler Days
2024/4/13	56	55	56	Cooler Days
2024/4/14	68	35	68	Cooler Days
2024/4/15	79	22	79	Cooler Days
2024/4/16	71	25	71	Cooler Days
2024/4/17	58	44	58	Cooler Days
2024/4/18	49	83	49	Cooler Days
2024/4/19	56	60	56	Cooler Days
2024/4/20	68	33	68	Cooler Days
2024/4/21	51	35	51	Cooler Days
2024/4/22	59	25	59	Cooler Days
2024/4/23	59	31	59	Cooler Days
2024/4/24	68	32	68	Cooler Days
2024/4/25	53	23	53	Cooler Days
2024/4/26	57	42	57	Cooler Days
2024/4/27	57	29	57	Cooler Days
2024/4/28	74	46	74	Cooler Days
2024/4/29	83	46	83	Average-Temperature Days
2024/4/30	61	81	61	Cooler Days
2024/5/1	75	46	75	Cooler Days
2024/5/2	75	51	75	Cooler Days
2024/5/3	64	48	64	Cooler Days
2024/5/4	60	55	60	Cooler Days
2024/5/5	53	80	53	Cooler Days
2024/5/6	73	61	73	Cooler Days
2024/5/7	79	30	79	Cooler Days
2024/5/8	85	38	84	Average-Temperature Days
2024/5/9	70	39	70	Cooler Days
2024/5/10	56	69	56	Cooler Days
2024/5/11	60	38	60	Cooler Days
2024/5/12	55	64	55	Cooler Days
2024/5/13	64	54	64	Cooler Days

Methodology

A extreme temperature week is one that meets any of the following conditions:

- Condition 1: The number of extremely high temperature days is ≥3
- Condition 2: a single day with HI>100 and the extremely high temperature days number is ≥2

Time range:

April 1 to September 29, 2024

Extreme Temperature Week /

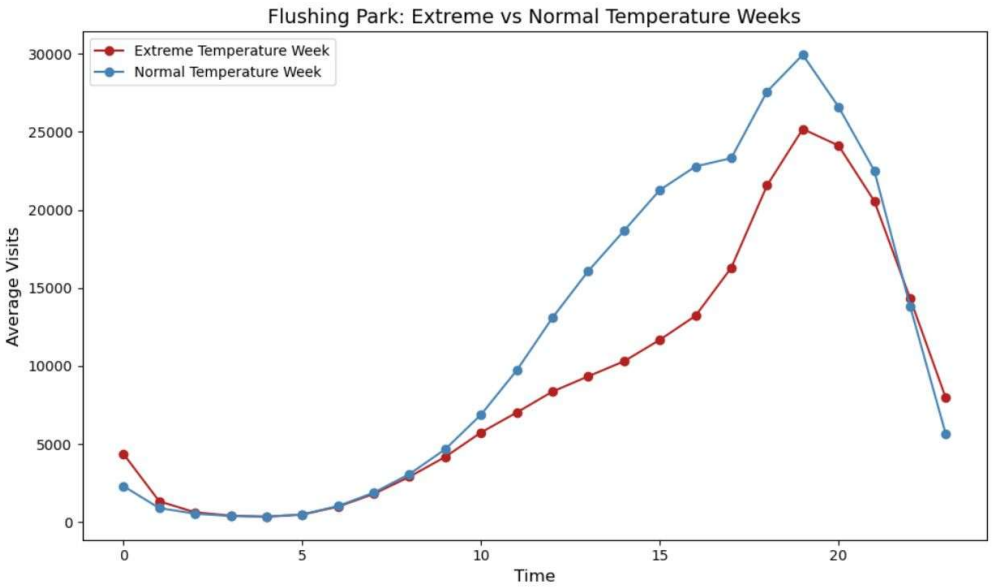
Normal Temperature Week

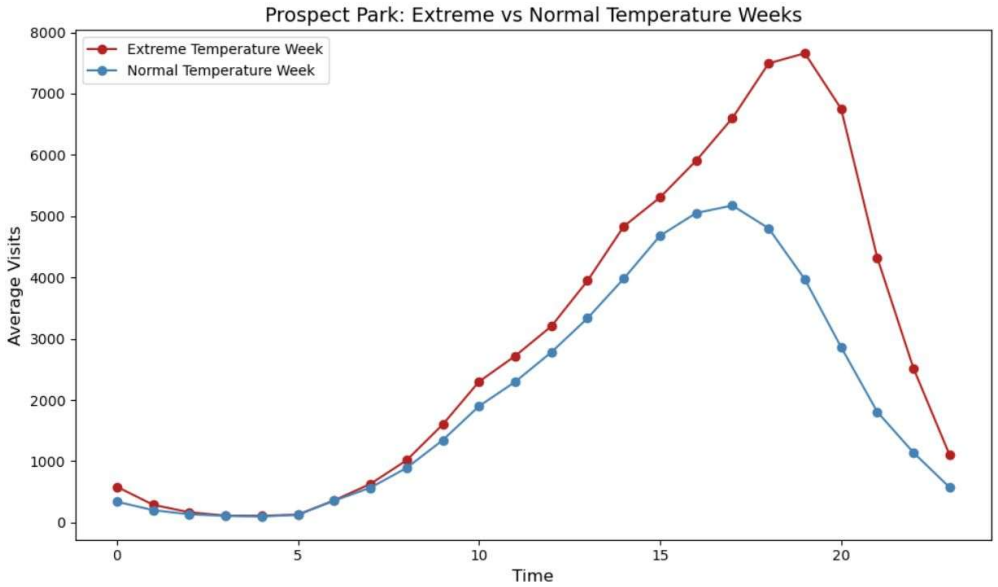
ID	start_date	end_date	Time	Temperat	Humidity(%)	HI
64c6300603598100fc20200c	2024/4/1	2024/4/7	0	45.14	64.86	45
64c6300603598100fc20200c	2024/4/1	2024/4/7	1	45	65.86	45
64c6300603598100fc20200c	2024/4/1	2024/4/7	2	44.14	69.43	44
64c6300603598100fc20200c	2024/4/1	2024/4/7	3	44	70.57	44
64c6300603598100fc20200c	2024/4/1	2024/4/7	4	43.29	71.29	43
64c6300603598100fc20200c	2024/4/1	2024/4/7	5	42.86	71	43
64c6300603598100fc20200c	2024/4/1	2024/4/7	6	42.86	70.29	43
64c6300603598100fc20200c	2024/4/1	2024/4/7	7	43.71	69.14	44
64c6300603598100fc20200c	2024/4/1	2024/4/7	8	44.43	66.86	44
64c6300603598100fc20200c	2024/4/1	2024/4/7	9	44.43	64.86	44
64c6300603598100fc20200c	2024/4/1	2024/4/7	10	45.57	61.86	46
64c6300603598100fc20200c	2024/4/1	2024/4/7	11	45.71	60.71	46
64c6300603598100fc20200c	2024/4/1	2024/4/7	12	46.43	59	46
64c6300603598100fc20200c	2024/4/1	2024/4/7	13	47.43	57.43	47
64c6300603598100fc20200c	2024/4/1	2024/4/7	14	48.14	56.29	48
64c6300603598100fc20200c	2024/4/1	2024/4/7	15	49.14	54.43	49
64c6300603598100fc20200c	2024/4/1	2024/4/7	16	49.14	54	49
64c6300603598100fc20200c	2024/4/1	2024/4/7	17	49	53.57	49
64c6300603598100fc20200c	2024/4/1	2024/4/7	18	48.71	54.86	49
64c6300603598100fc20200c	2024/4/1	2024/4/7	19	48.43	55	48
64c6300603598100fc20200c	2024/4/1	2024/4/7	20	46.43	61.43	46
64c6300603598100fc20200c	2024/4/1	2024/4/7	21	45.71	62.71	46
64c6300603598100fc20200c	2024/4/1	2024/4/7	22	45.43	62.29	45
64c6300603598100fc20200c	2024/4/1	2024/4/7	23	45	64.14	45

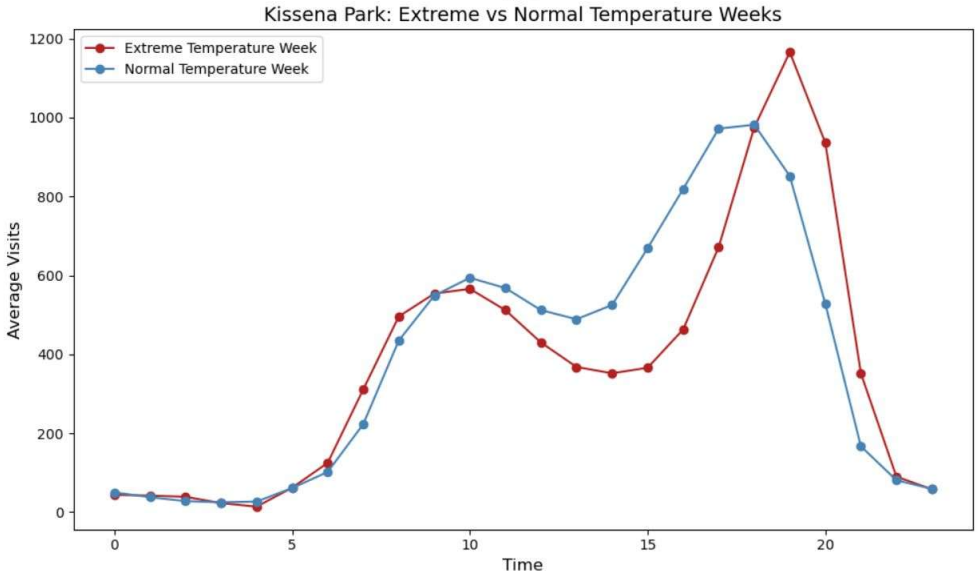
Methodology

	Number	Date	
		Start	End
Extreme Temperature Week	4	2024-06-17	2024-06-23
		2024-07-01	2024-07-07
		2024-07-15	2024-07-21
		2024-07-29	2024-08-04
Normal Temperature Week	22		

Week_Category Time	Extreme Temperature Week	Normal Temperature Week
0	584	340
1	290	203
2	168	134
3	114	109
4	110	99
5	129	128
6	362	357
7	630	568
8	1016	891
9	1601	1345
10	2299	1899
11	2719	2297
12	3204	2780
13	3948	3336
14	4834	3982
15	5306	4681
16	5908	5052
17	6601	5174
18	7494	4802
19	7659	3970
20	6755	2865
21	4324	1807
22	2518	1142
23	1100	572


Flushing Park: Extreme vs Normal Temperature Weeks
Extreme Temperature Week
Normal Temperature Week
Average Visits
Time
0
5000
10000
15000
20000
25000
30000
0
5
10
15
20


Prospect Park: Extreme vs Normal Temperature Weeks
Extreme Temperature Week
Normal Temperature Week
Average Visits
Time
0
1000
2000
3000
4000
5000
6000
7000
8000
0
5
10
15
20


Kissena Park: Extreme vs Normal Temperature Weeks
Extreme Temperature Week
Normal Temperature Week
Average Visits
Time
0
200
400
600
800
1000
1200
0
5
10
15
20

Park Event

Flushing Meadow Park			
Date		Event	Location
Start	End		
2024-8-26	2024-9-08	US Open(tennis)	USTA Billie Jean King National Tennis Center
2024-8-03	2024-8-04	Hong Kong Dragon Boat Festival	Meadow Lake
2024-6-07	2024-6-9	Governors Ball Music Festival	Citi Field

Prospect Park			
Date		Event	Location
Start	End		
2024-6-08	2024-8-24	BRIC Celebrate Brooklyn! Festival	Lena Horne Bandshell

Park Event

ID	start_date	end_date	Time	Tempe	Humidity(%)	HI	Week_Category	visits	avg_vis
64c6300603598100fc20200c	2024/7/29	2024/8/4	0	78.14	74.29	78	Extreme Temperature Week	88155	12593
64c6300603598100fc20200c	2024/7/15	2024/7/21	0	78.86	60.86	79	Extreme Temperature Week	14752	2107
64c6300603598100fc20200c	2024/6/17	2024/6/23	0	75.29	63.86	75	Extreme Temperature Week	10775	1539
64c6300603598100fc20200c	2024/7/1	2024/7/7	0	74.71	60.14	75	Extreme Temperature Week	8736	1248

ID	start_date	end_date	Time	Tempe	Humidity(%)	HI	Week_Category	visits	avg_vis
64c6300603598100fc20200c	2024/8/26	2024/9/1	0	74	67.14	74	Normal Temperature Week	102634	14662
64c6300603598100fc20200c	2024/9/2	2024/9/8	0	67.86	61.14	68	Normal Temperature Week	55231	7890
64c6300603598100fc20200c	2024/6/3	2024/6/9	0	70.57	66.57	71	Normal Temperature Week	20237	2891
64c6300603598100fc20200c	2024/5/27	2024/6/2	0	66.86	63.71	67	Normal Temperature Week	15997	2285
64c6300603598100fc20200c	2024/9/23	2024/9/29	0	64.86	72.43	65	Normal Temperature Week	13990	1998

Park Event

06-19
Juneteenth

07-04
Independence Day

09-02
Labor Day

Park	Name by Land Use	Events	Outliers	api-id	Daily Visits	
Flushing Meadow Park	Water Front Zone_FM	05-01 +106% 06-24 +220% 08-31 +122%	05-05 -77%	675a40dafbd70689d03d527e	T	
	Queens Zoo			cb292b9ee536029ceb419d26	T	
	Athletic Zone_FM	06-07 Music Show 06-08 // 06-09 //	04-28 +53% 05-05 -59% 05-12 -53% 06-15 +78%	6792c76f9e7bbeaa566ef6f3	T	
	Plaza Zone_FM	06-07 Music Show 06-08 // 06-09 //	06-15 +83%	6792c12b4e3ac89c43eea5a8	T	
	Recreation Zone_FM	05-26 +117% 07-20 Music Show 08-03 Boat Festival	05-05 -92% 05-12 -70% 06-16 +94% 08-11 +62%	675a0c78e36291a0a32b69c0	T	
	Trail Zone_FM			6759f7165165cab09c060239	N/A	

Park Event

06-19
Juneteenth

07-04
Independence Day

09-02
Labor Day

Park	Name by Land Use	Events	Outliers	api-id	Daily Visits
Prospect Park	Entrance Zone_P	04-28 Half Marathon 06-22 +112%	07-14 +86% 07-30 -68%	6792dc426c5c973d566ef700	T
	Trail Zone_P	04-28 Half Marathon	05-26 +97% 08-24 +77%	6792e38c50e3b6801b08c222	T
	Athletic Zone_P	04-28 Half Marathon		6793c3ae795f2a6fea846974	T
	Villa Green Zone_P	06-15 +104% 06-22 +112% 07-30 +410%	08-17 +91%	6793c85931554685e767ac0a	T
	Lakeside Zone_P	04-28 Half Marathon		6793d883c818f97baf7cfe1c	T
	Meadows Zone_P	04-28 Half Marathon 06-22 +175%		6793dd48c84cd3b294ca0d81	T

14 of 16 POIs available

For all single POI →

2024/04/01 - 2024/09/29
26 Weeks

For all single week →

24 hours cumulative visits, 8616 rows

Park	Name by Land Use	Type	Land Cover	api-id	Daily Visits	Hour Visits Aggregated by Week
Kissena Corridor Park	Athletic Zone_K	Custom	Open Field with Tree	67969713f27601ab56facefb	T	T
	Recreation Zone_K	Custom	Playground/Forested with Trail	6796ac3c14d56a51172d9ce1	N/A	T
	Nature and Trail Zone_K	Custom	Lakeside with Forest and Trail	6796f60e36c940b50b46feeb	T	04-08 ~ 09-22

Weekly Hourly Visits Data Availability

Park	Name by Land Use	Type	Land Cover	api-id	Daily Visits	Hour Visits Aggregated by Week
Flushing Meadow Park	Water Front Zone_FM	Custom	Lakeside with trails	675a40dafbd70689d03d527e	T	04-15 ~ 09-29
	Queens Zoo	Public	Forested with trails	cb292b9ee536029ceb419d26	T	04-01 ~ 09-22
	Athletic Zone_FM	Custom	Open fields with trees	6792c76f9e7bbeaa566ef6f3	T	T
	Plaza Zone_FM	Custom	Open plazas with trees	6792c12b4e3ac89c43eea5a8	T	T
	Recreation Zone_FM	Custom	Open meadow with trees	675a0c78e36291a0a32b69c0	T	T
	Trail Zone_FM	Custom	Forested with trails	6759f7165165cab09c060239	T	N/A

Park	Name by Land Use	Type	Land Cover	api-id	Daily Visits	Hour Visits Aggregated by Week
Prospect Park	Entrance Zone_P	Custom	Entrance/Forested with trails	6792dc426c5c973d566ef700	T	T
	Trail Zone_P	Custom	Forested with trails	6792e38c50e3b6801b08c222	T	T
	Athletic Zone_P	Custom	Open fields with trees	6793c3ae795f2a6fea846974	T	T
	Villa Green Zone_P	Custom	Playgrounds/Forested with trails	6793c85931554685e767ac0a	T	T
	Lakeside Zone_P	Custom	Lakeside with trails	6793d883c818f97baf7cfe1c	T	T
	Meadows Zone_P	Custom	Open meadow with trees	6793dd48c84cd3b294ca0d81	T	T

Weekly Hourly Visits Data Availability

Step 1 : POI * Hour Change rate matrix

1. Calculate Average Visits and merge with **Week_Category**

	hour	week_start	id	avgvisits	Week_Category
0	0	2024-04-15	675a40dafbd70689d03d527e	29.29	Normal Temperature Week
1	1	2024-04-15	675a40dafbd70689d03d527e	10.29	Normal Temperature Week
2	2	2024-04-15	675a40dafbd70689d03d527e	2.57	Normal Temperature Week
3	3	2024-04-15	675a40dafbd70689d03d527e	6.29	Normal Temperature Week
4	4	2024-04-15	675a40dafbd70689d03d527e	3.71	Normal Temperature Week
...	...	...	...	...	...
8611	19	2024-09-23	67969713f27601ab56facefb	288.86	Normal Temperature Week
8612	20	2024-09-23	67969713f27601ab56facefb	164.86	Normal Temperature Week
8613	21	2024-09-23	67969713f27601ab56facefb	53.43	Normal Temperature Week
8614	22	2024-09-23	67969713f27601ab56facefb	41.71	Normal Temperature Week
8615	23	2024-09-23	67969713f27601ab56facefb	61.43	Normal Temperature Week

8616 rows × 5 columns

Step 1 : POI * Hour Change rate matrix

2. Calculate the average visits of Extreme Temperature Week and Normal Temperature Week separately

3. Calculate the change rate

$$\text{Change Rate} = \frac{\text{Extreme Avg} - \text{Normal Avg}}{\text{Normal Avg}}$$

x1.One z-score every hour - take average- z-score one day

2.Change all the daily hourly visitation into z-score

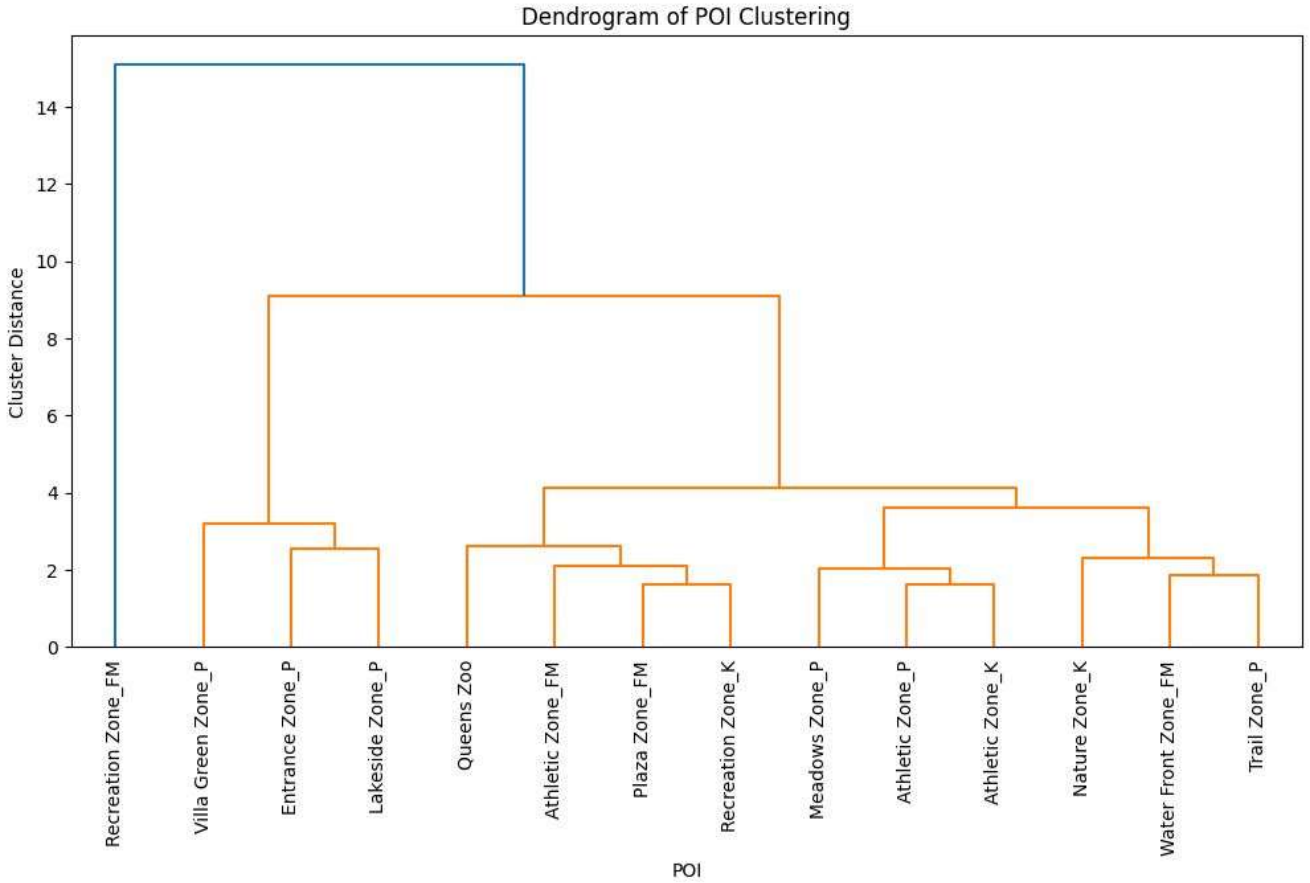
hour	0	1	2	3	4	5	6	7	8	9	...	14	15	16	17	18	19
id																	
675a0c78e36291a0a32b69c0	3.27	6.55	4.77	4.4	3.71	3.5	0.99	1.19	0.86	0.89	...	1.14	0.88	0.75	0.50	0.59	0.69
675a40dafbd70689d03d527e	0.32	0.16	1.67	0.72	-0.22	0.4	0.35	0.21	0.07	-0.09	...	0.00	0.03	0.03	0.19	0.12	0.06
6792c12b4e3ac89c43eea5a8	-0.43	-0.1	-0.19	-0.14	-0.18	-0.15	-0.11	0.03	-0.15	-0.20	...	-0.21	-0.18	-0.13	-0.06	-0.00	0.14
6792c76f9e7bbeaa566ef6f3	0.13	0.18	0.23	0.1	0.22	0.06	-0.45	-0.32	-0.15	-0.12	...	-0.28	-0.35	-0.36	-0.34	-0.29	-0.31
6792dc426c5c973d566ef700	1.48	0.62	0.48	0.72	1.16	0.36	-0.01	-0.04	0.28	0.03	...	0.38	0.37	0.49	0.65	0.74	1.24
6792e38c50e3b6801b08c222	-0.12	0.81	1.33	0.43	0.52	0.04	-0.00	-0.34	0.01	-0.02	...	0.35	0.15	0.03	0.05	0.33	0.62
6793c3ae795f2a6fea846974	0.31	-0.25	-0.36	-0.36	-0.56	-0.25	-0.07	0.11	-0.03	0.21	...	-0.00	-0.13	-0.14	-0.12	0.07	0.31
6793c85931554685e767ac0a	1.11	0.94	0.81	0.89	1.5	0.42	0.61	1.07	1.14	0.72	...	0.35	0.28	0.46	0.70	1.29	2.00
6793d883c818f97baf7cfe1c	0.74	1.08	0.23	-0.35	-0.34	-0.35	0.39	0.10	-0.14	0.16	...	0.67	0.66	0.60	0.77	1.19	1.46
6793dd48c84cd3b294ca0d81	-0.12	0.6	0.19	0.18	-0.42	-0.48	-0.55	0.20	-0.07	0.07	...	0.04	-0.05	0.01	0.05	0.41	0.88
67969713f27601ab56facefb	-0.02	0.17	0.21	-0.29	-0.63	-0.05	0.16	0.48	0.15	-0.02	...	-0.40	-0.56	-0.56	-0.35	-0.01	0.37
6796ac3c14d56a51172d9ce1	-0.24	-0.24	0.49	0.7	0.13	0.59	0.42	0.23	0.05	-0.01	...	-0.24	-0.18	-0.16	-0.20	-0.06	0.30
6796e4347191b1073e8d0b7d	-0.73	0.54	1.88	-0.01	-0.53	-0.45	0.29	0.15	0.07	0.04	...	-0.22	-0.43	-0.37	-0.33	-0.03	0.32
cb292b9ee536029ceb419d26	-1.00	None	None	None	None	None	-1.00	-1.00	-0.67	-0.28	...	-0.28	-0.32	-0.20	-0.14	0.06	-0.16

14 rows × 24 columns

Step 2 : Hierarchical Clustering

Use Ward Linkage to Minimize variance within clusters grouping similar visit patterns.

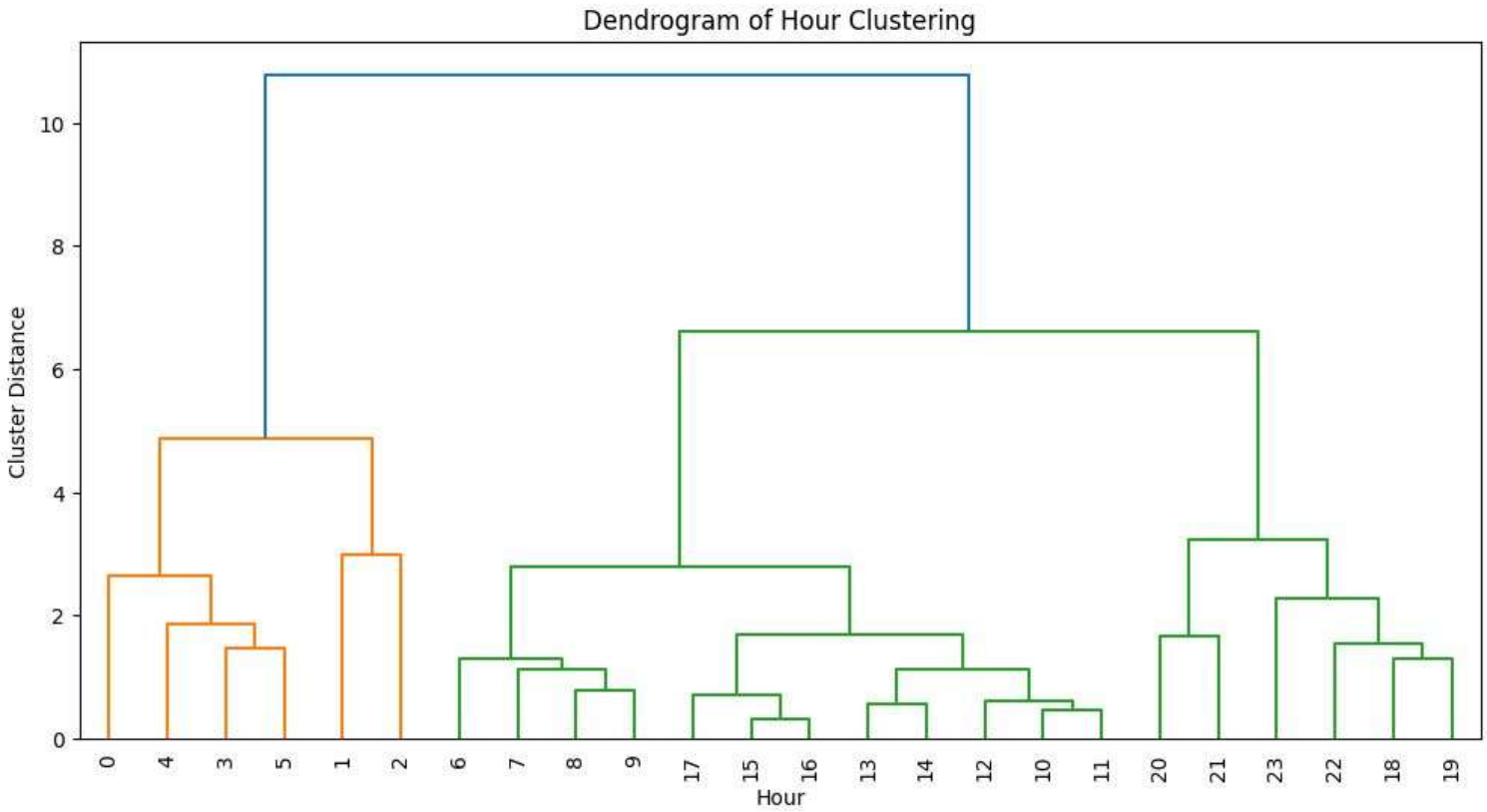
Hierarchical Clustering of POI Based on Visitor Change Rates



Step 2 : Hierarchical Clustering

Use Ward Linkage to Minimize variance within clusters grouping similar visit patterns.

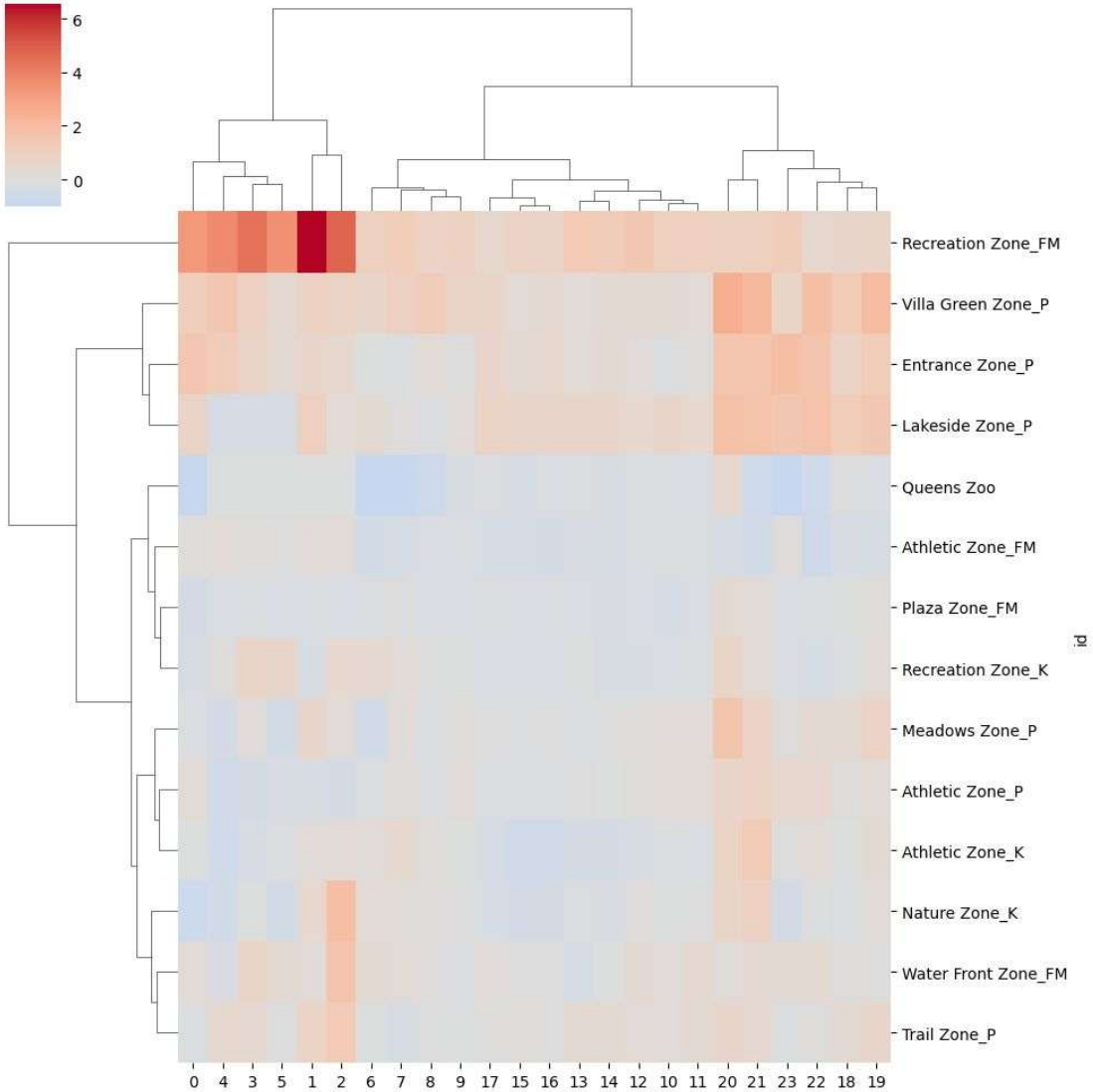
Hierarchical Clustering of Hours Based on Visitor Change Rates



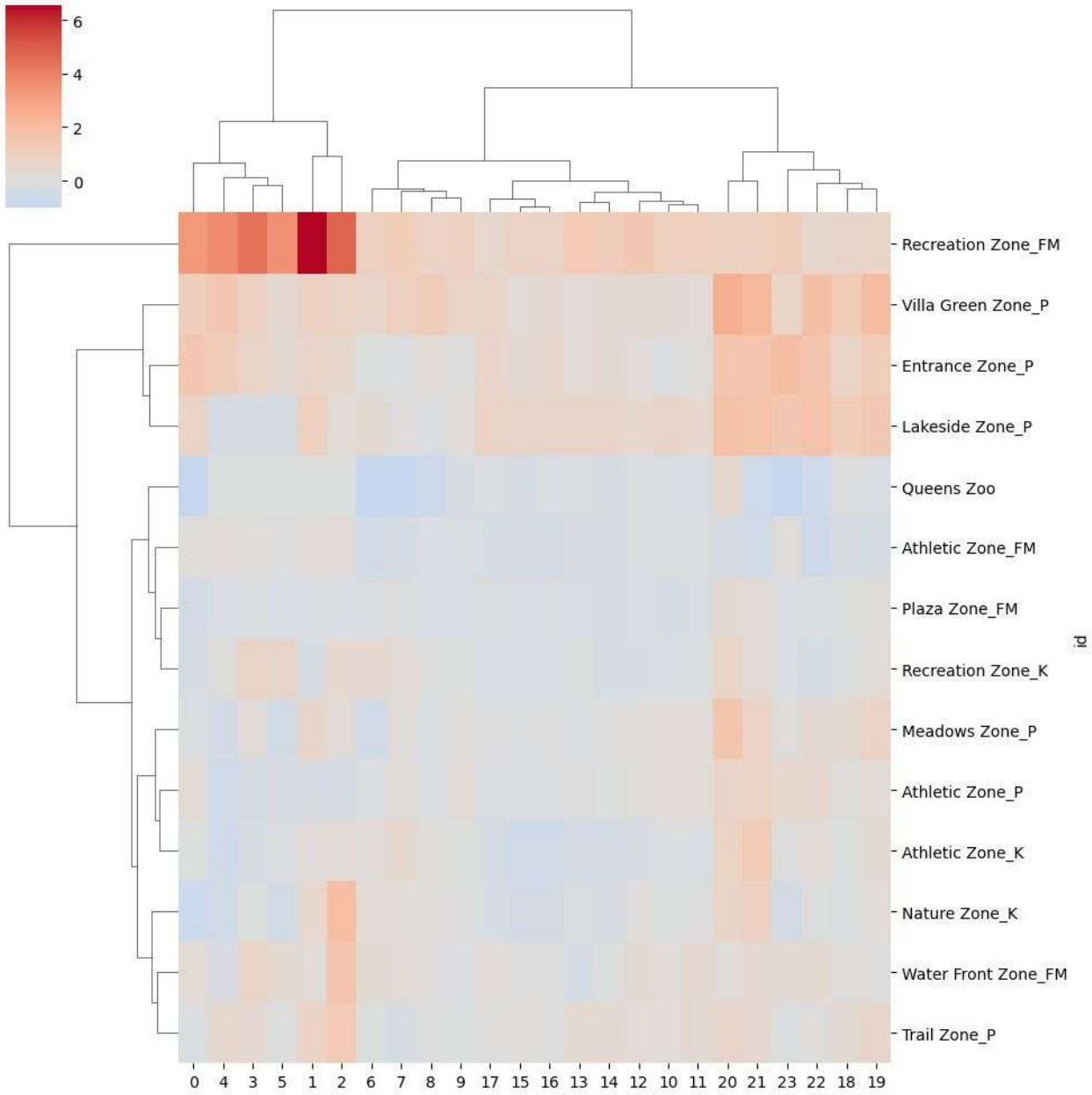
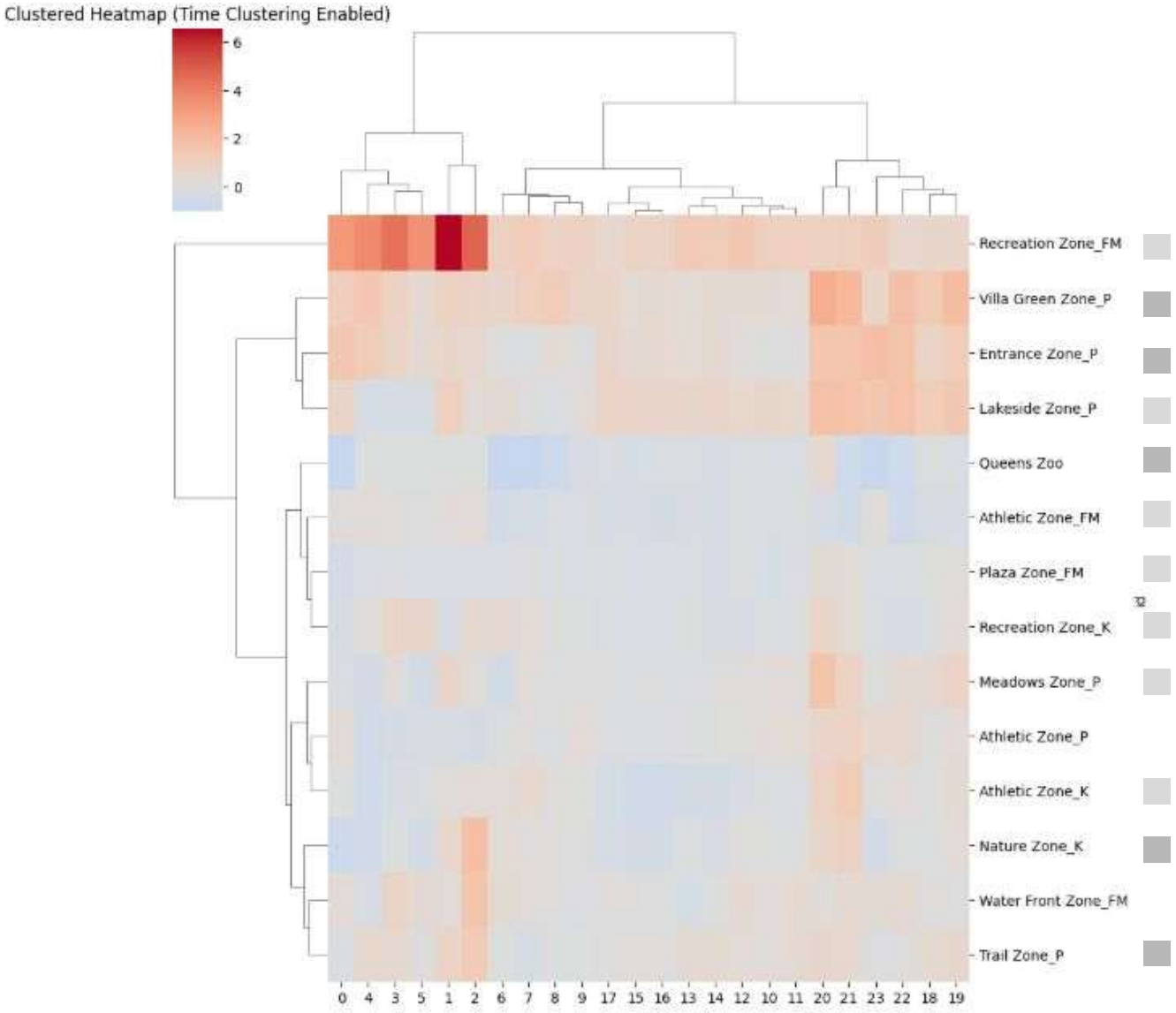
Step 3 : Cluster Heatmap

Uses color encoding to represent numerical values (e.g., visitor change rates).

Clusters rows (POIs) and columns (hours) together using hierarchical clustering.



Heatmap of Visitor Change Rate (Extreme Heat vs. Normal)


6
4
2
0
Recreation Zone_FM
Villa Green Zone_P
Entrance Zone_P
Lakeside Zone_P
Queens Zoo
Athletic Zone_FM
Plaza Zone_FM
Recreation Zone_K
Meadows Zone_P
Athletic Zone_P
Athletic Zone_K
Nature Zone_K
Water Front Zone_FM
Trail Zone_P
id
0 4 3 5 1 2 6 7 8 9 17 15 16 13 14 12 10 11 20 21 23 22 18 19

Extreme Temperature Week	
Start date	End date
2024-06-17	2024-06-23
2024-07-01	2024-07-07
2024-07-15	2024-07-21
2024-07-29	2024-08-04