

A thick black L-shaped frame is positioned on the left and bottom edges of the slide, framing the central text.

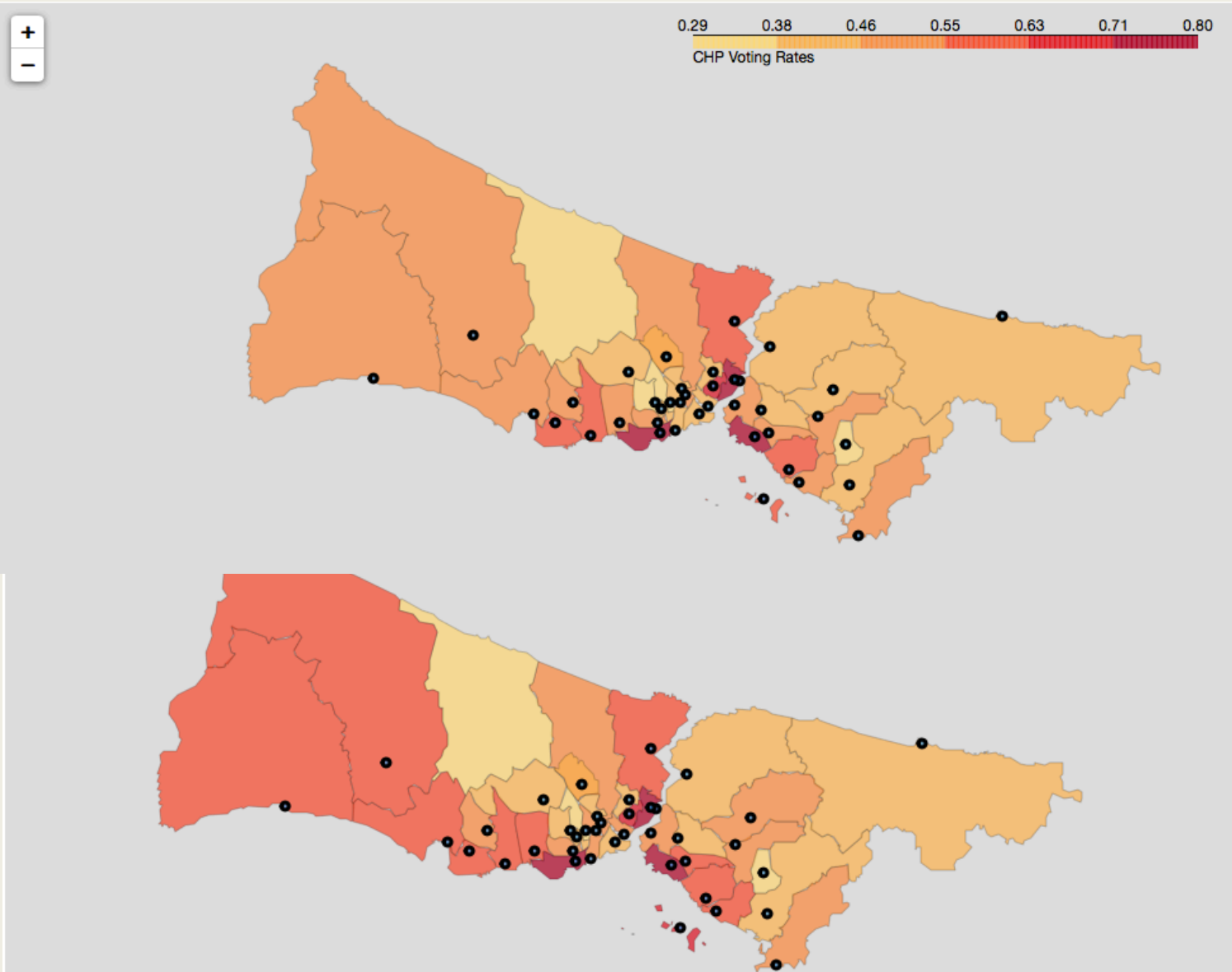
ISTANBUL'S CHOICE

2019 Elections

Business Case

- The political parties are investing a lot to measure the aim of the electors and to convince them to vote for their party.
- The environment where the voter lives is very much related to her/his choices. In this study I will pursue an answer to this question by comparing venues data from Foursquare and voting rates to the 2 main political parties in Istanbul.

Comparing Two Elections



Since CHP's candidate Ekrem İmamoğlu who was a common candidate for the opposition won the election two times the analysis is build upon CHP votes.

When the Graph1 and Graph2 below are compared, it is obvious that from all towns of Istanbul people tend to vote more to Ekrem İmamoğlu.

Clustering The Boroughs of Istanbul

CLUSTER 0:
CHP won in 6 boroughs.
AKP won in 5 boroughs.

	name	CHP_rate_31_3	AKP_rate_31_3	Lead
0	Sancaktepe	0.4769	0.5020	AKP
1	Esenyurt	0.5266	0.4551	CHP
2	Esenler	0.3303	0.6373	AKP
3	Bahçelievler	0.4687	0.5048	AKP
4	Gaziosmanpaşa	0.4059	0.5599	AKP
5	Maltepe	0.5751	0.4033	CHP
6	Üsküdar	0.4838	0.4877	AKP
7	Kartal	0.5276	0.4504	CHP
8	Avclar	0.5567	0.4269	CHP
9	Büyükcemece	0.5237	0.4614	CHP
10	Çatalca	0.5167	0.4669	CHP

CLUSTER 1:
CHP won in 8 boroughs.
AKP won in 11 boroughs.

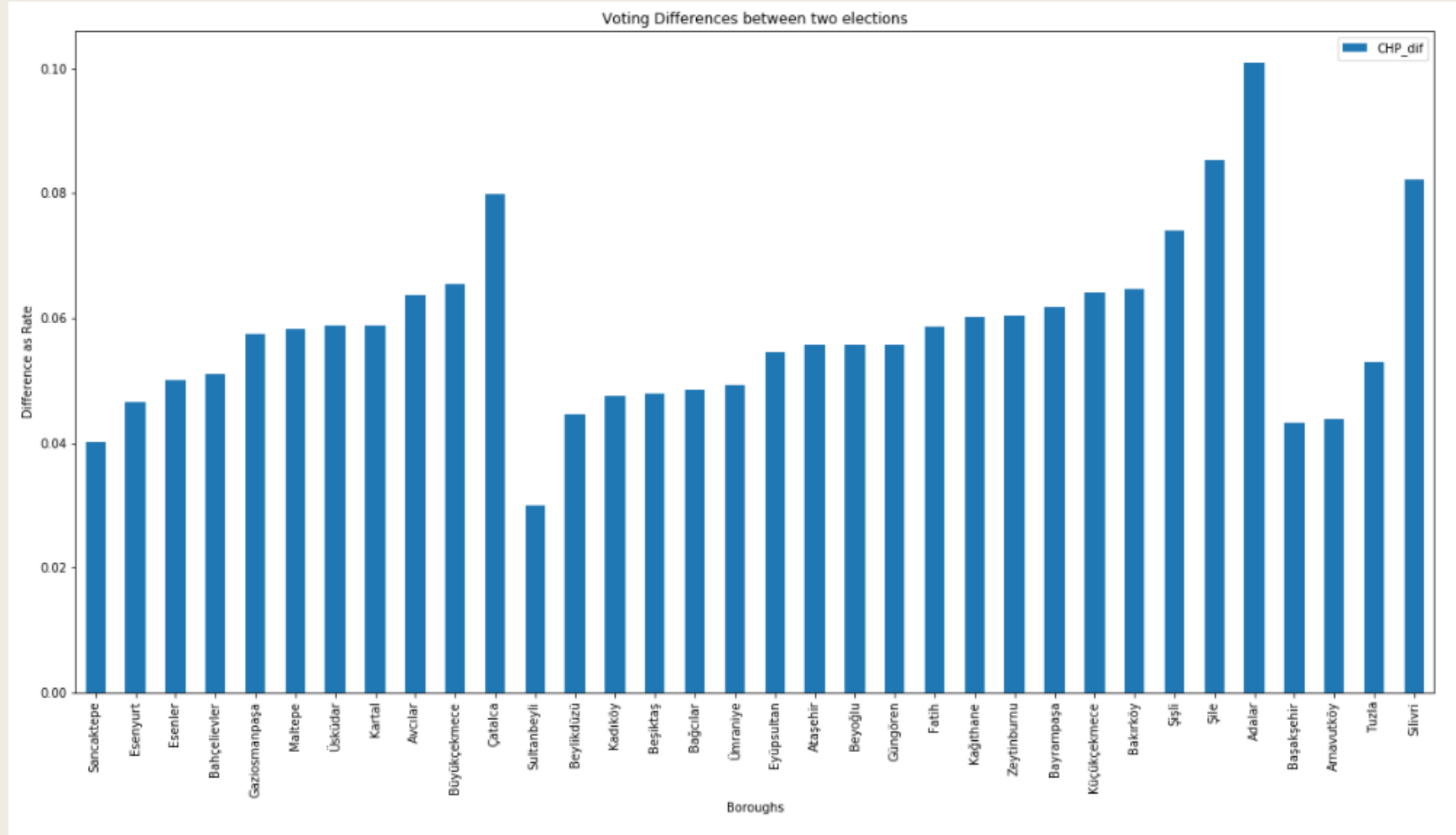
	name	CHP_rate_31_3	AKP_rate_31_3	Lead
0	Sultanbeyli	0.2996	0.6654	AKP
1	Beylikdüzü	0.5750	0.4084	CHP
2	Kadıköy	0.7761	0.2061	CHP
3	Beşiktaş	0.7911	0.1915	CHP
4	Bağcılar	0.3762	0.5925	AKP
5	Ümraniye	0.4264	0.5461	AKP
6	Eyüpsultan	0.4847	0.4895	AKP
7	Ataşehir	0.5442	0.4351	CHP
8	Beyoğlu	0.4602	0.5099	AKP
9	Güngören	0.4326	0.5401	AKP
10	Fatih	0.4364	0.5327	AKP
11	Kağıthane	0.4255	0.5425	AKP
12	Zeytinburnu	0.4613	0.5122	AKP
13	Bayrampaşa	0.4450	0.5271	AKP
14	Küçükçekmece	0.5316	0.4437	CHP
15	Bakırköy	0.7286	0.2508	CHP
16	Şişli	0.6625	0.2930	CHP
17	Şile	0.4122	0.5664	AKP
18	Adalar	0.6087	0.3478	CHP

CLUSTER 2:
CHP won in 2 boroughs.
AKP won in 2 boroughs.

	name	CHP_rate_31_3	AKP_rate_31_3	Lead
0	Başakşehir	0.4322	0.5375	AKP
1	Arnavutköy	0.3439	0.6221	AKP
2	Tuzla	0.4792	0.4970	CHP
3	Silivri	0.5376	0.4335	CHP

When the 3 cluster data compared there is no statistical evidence that shows the voting habits between clusters are different.

Voting Changes Among Clusters



All the boroughs preferred to vote CHP over 4% compared to the previous election.

Conclusion

- When the voting difference between two elections compared there is not a specific behaviour among 3 clusters. All the boroughs changed their choices over %4 percent in the favor of CHP's candidate Ekrem İmamoğlu.
- The environment where the voter lives is very much related to her/his choices. In this study I tried to understand the political aim of the Istanbul voters by using Foursquare data. We cannot say that with the clustering depend on the Foursquare data we can determine Istanbul boroughs' political choices. We need more details and other data sources.