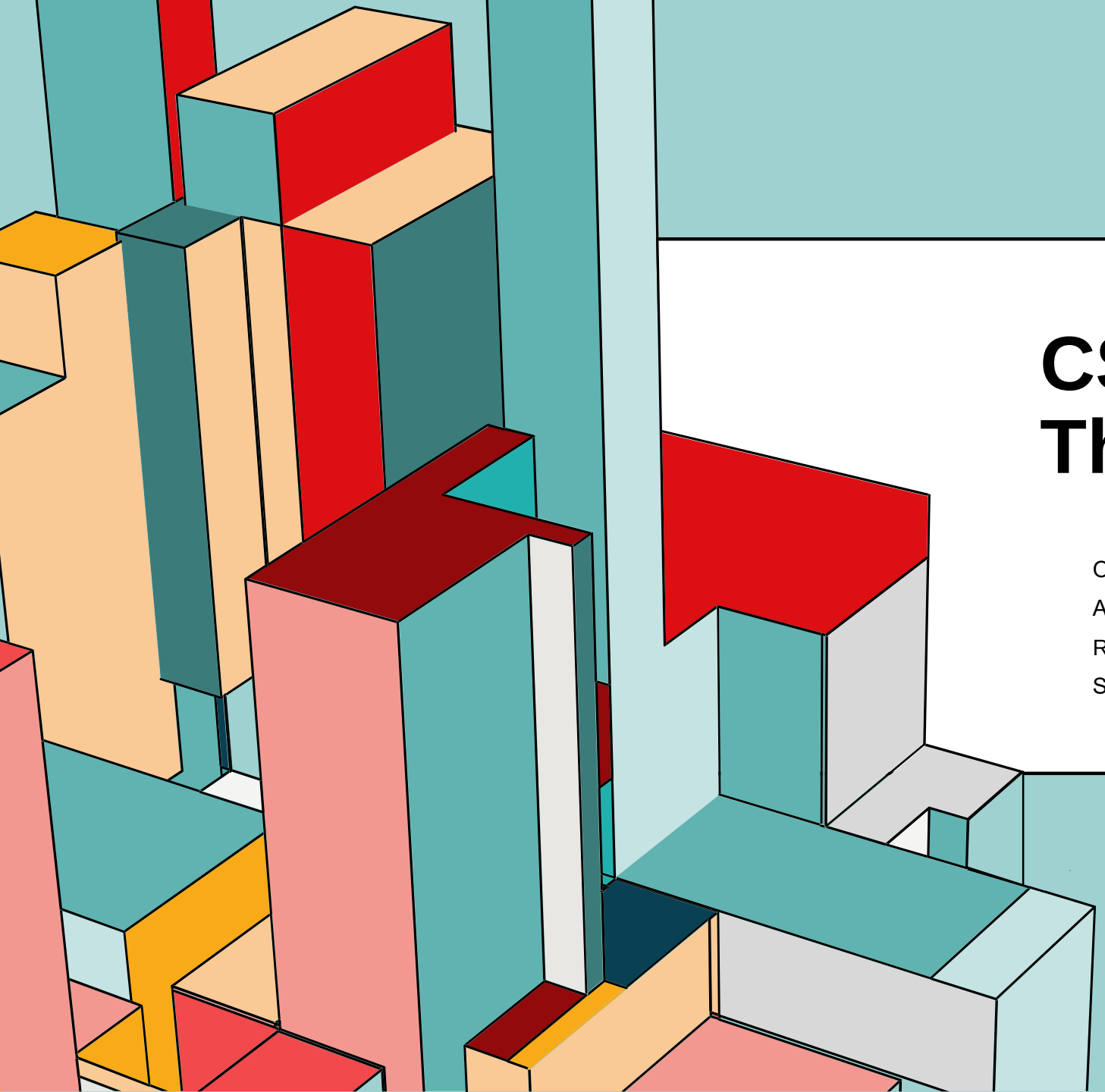


CS-210 PROJECT
There will be data

Oğuzhan Turan- 29003

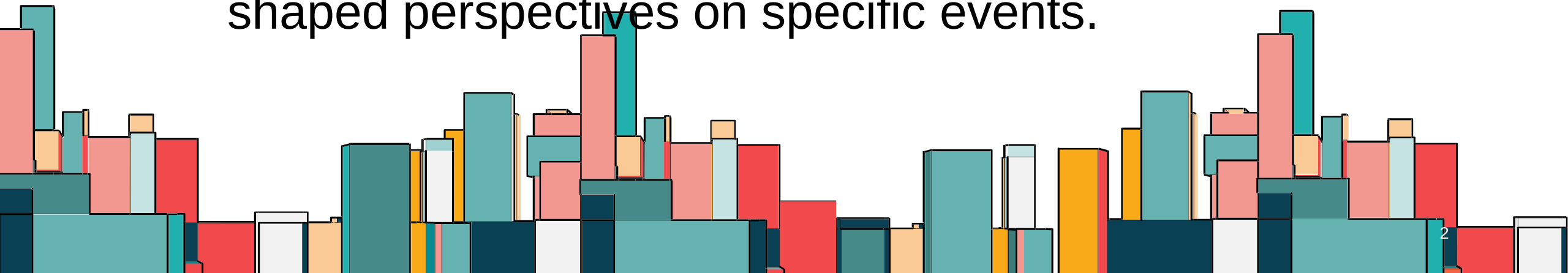
Arslan Şahin - 24784

Raman Afravi - 30061

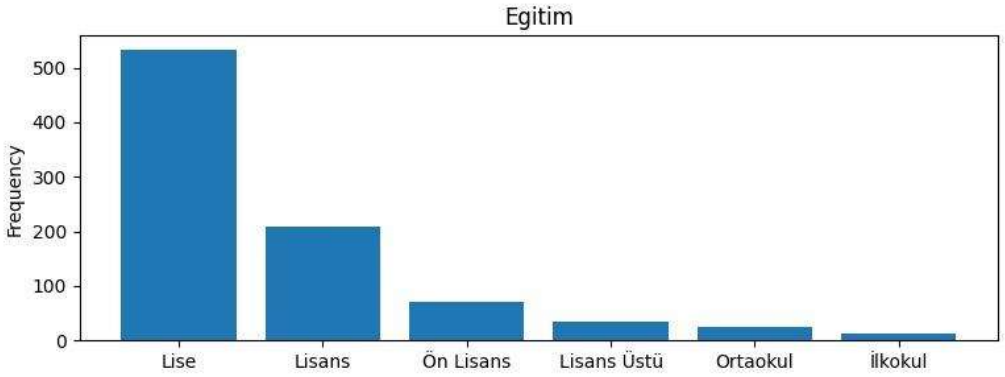
Serdar Yıldız - 19739

Main hypothesis and research questions:

Demographic factors such as gender, age, education level, and region of residence play a role in shaping people's political orientation.
key questions: How does gender relate to political views? Does age impact political orientation? Is there a correlation between education level and political perspectives? How demographic attributes change the political view of individuals and how shaped perspectives on specific events.



OUR DATASET


Egitim
Frequency
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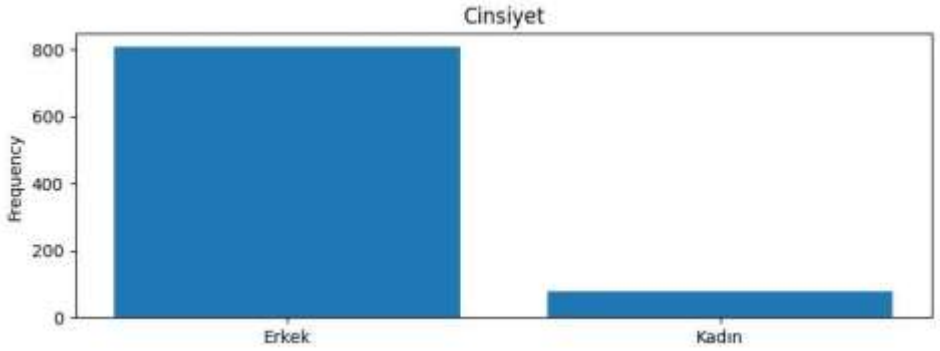
400
300
200
100
0
Lise
Lisans
Ön Lisans
Lisans Üstü
Ortaokul
İlkokul


Cinsiyet
Frequency
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600
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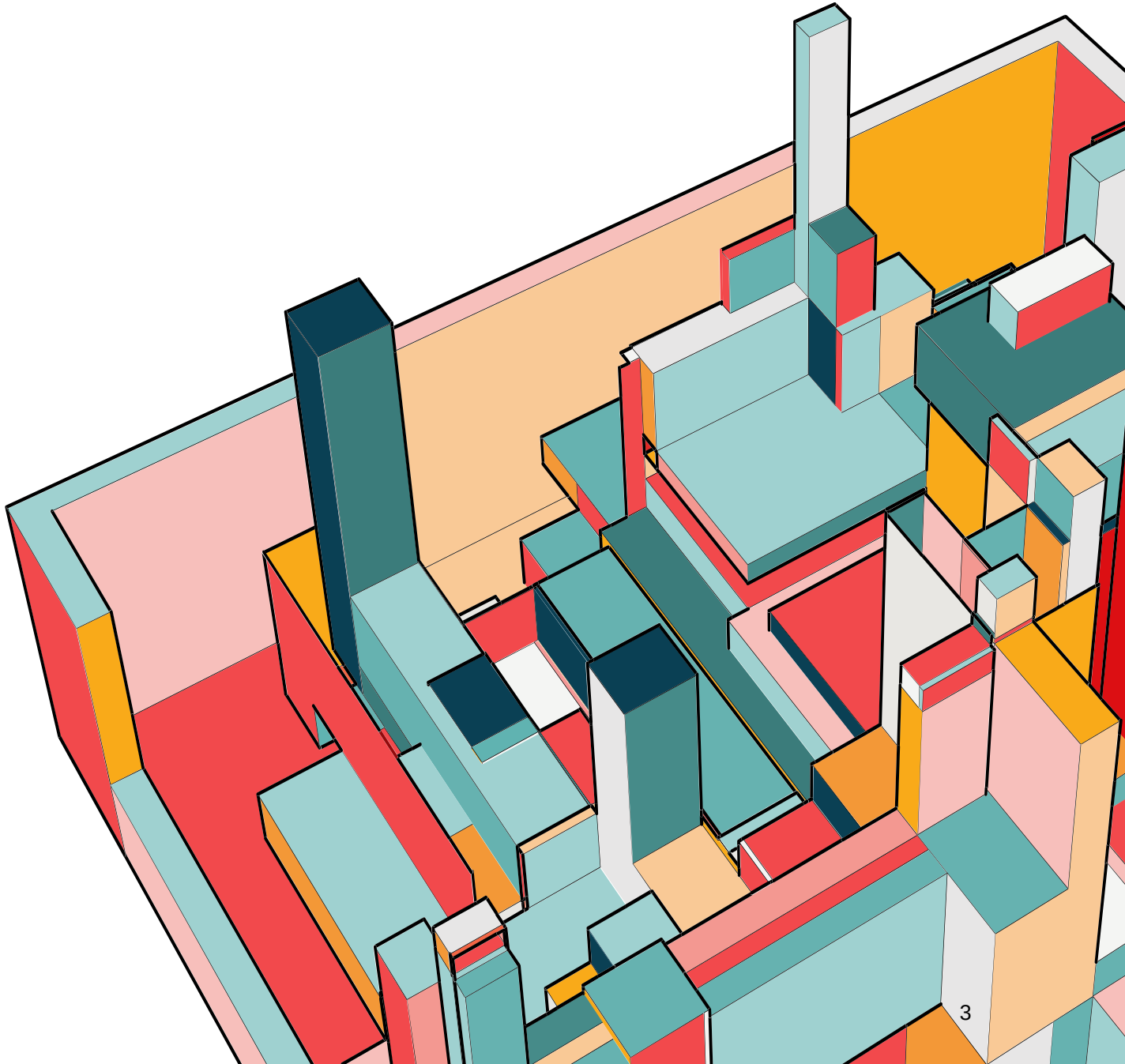
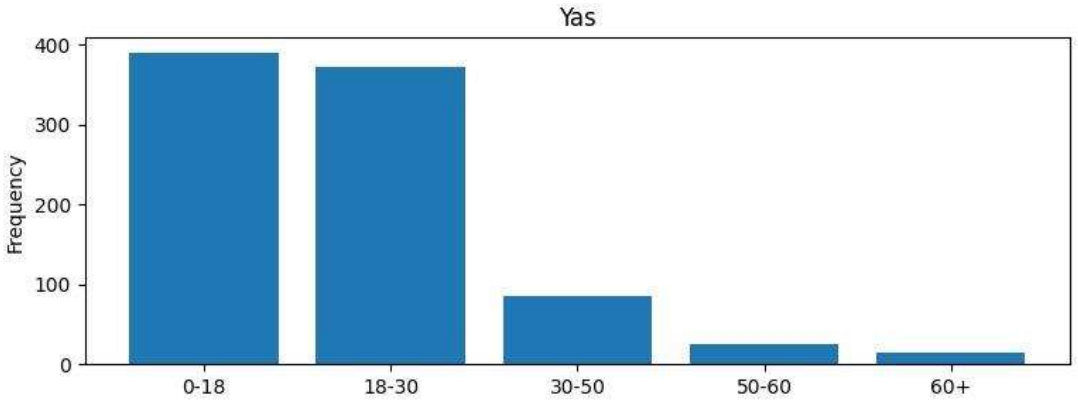
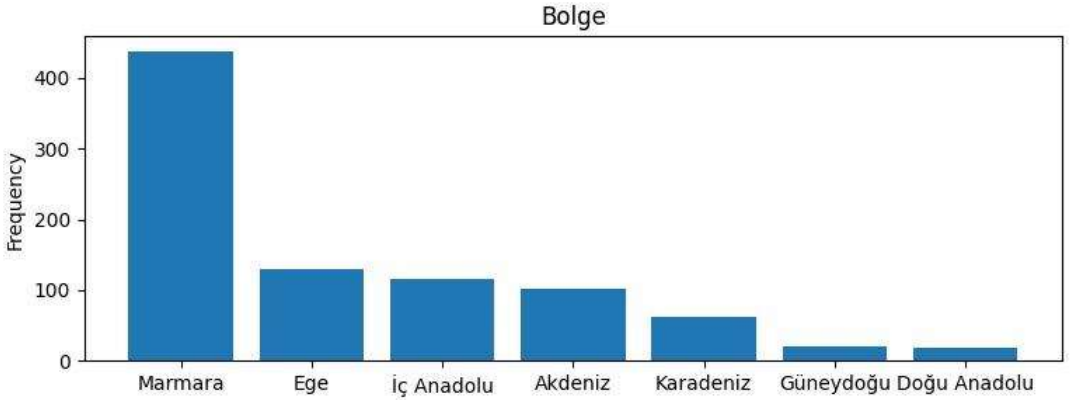
200
0
Erkek
Kadın




Yas
Frequency
400
300
200
100
0
0-18
18-30
30-50
50-60
60+


Bolge
Frequency
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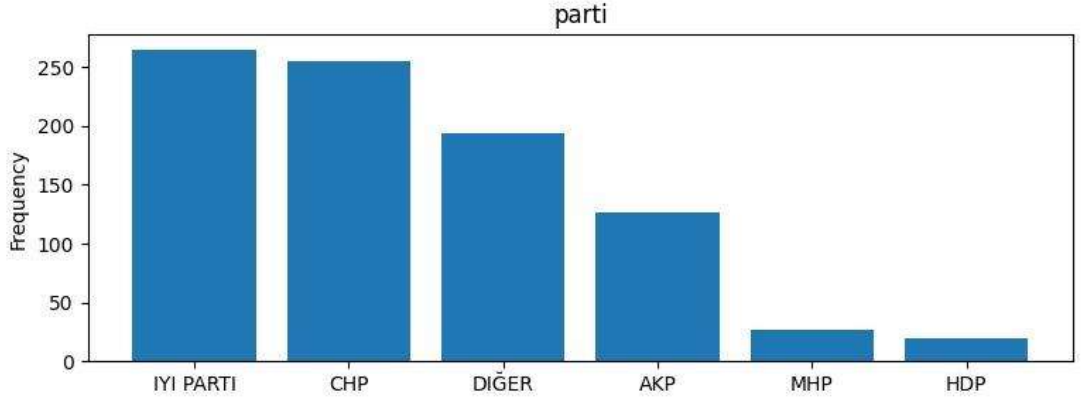
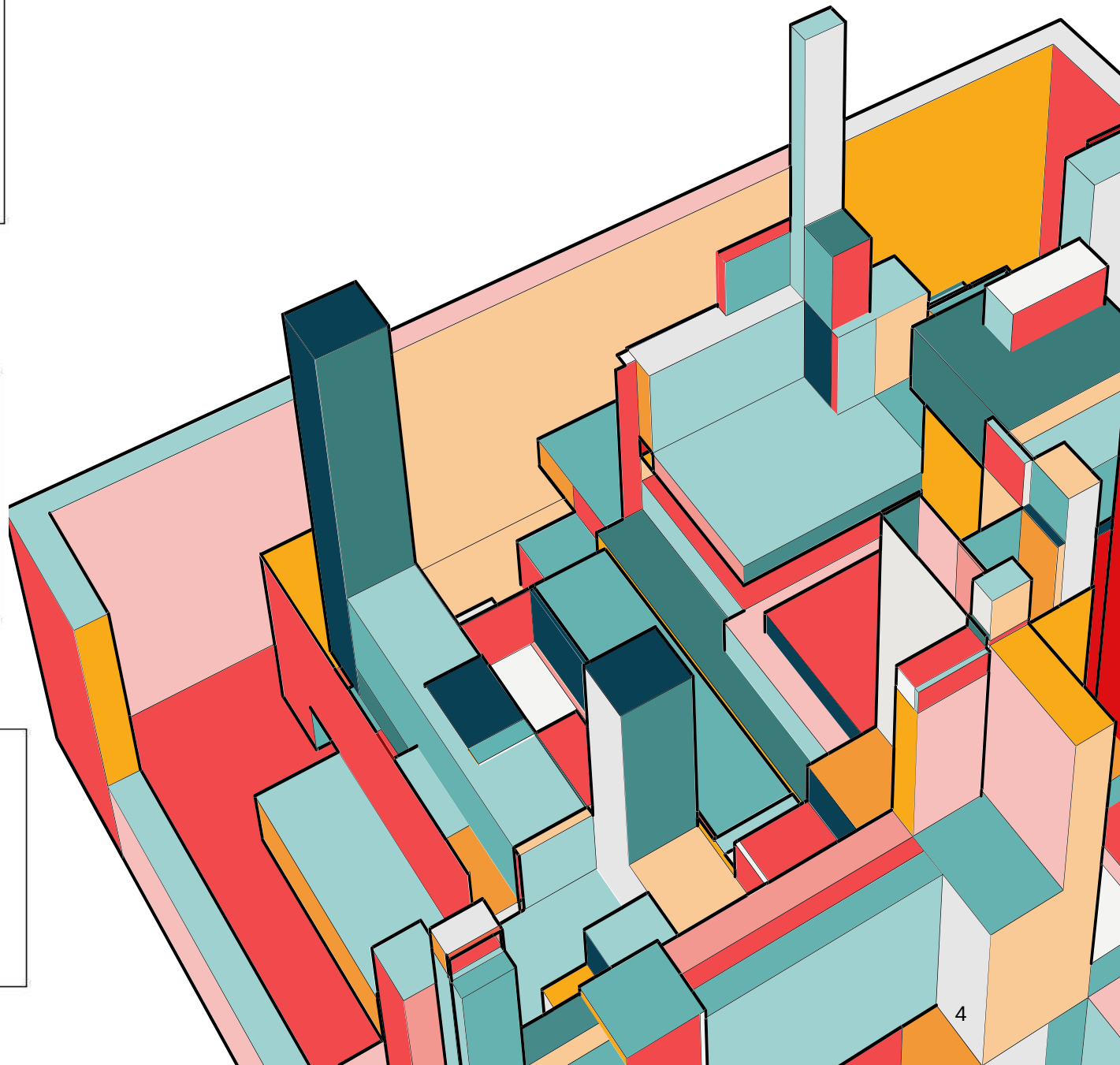
300
200
100
0
Marmara
Ege
İç Anadolu
Akdeniz
Karadeniz
Güneydoğu Doğu Anadolu


parti
Frequency
250
200
150
100
50
0
IYI PARTI
CHP
DIĞER
AKP
MHP
HDP

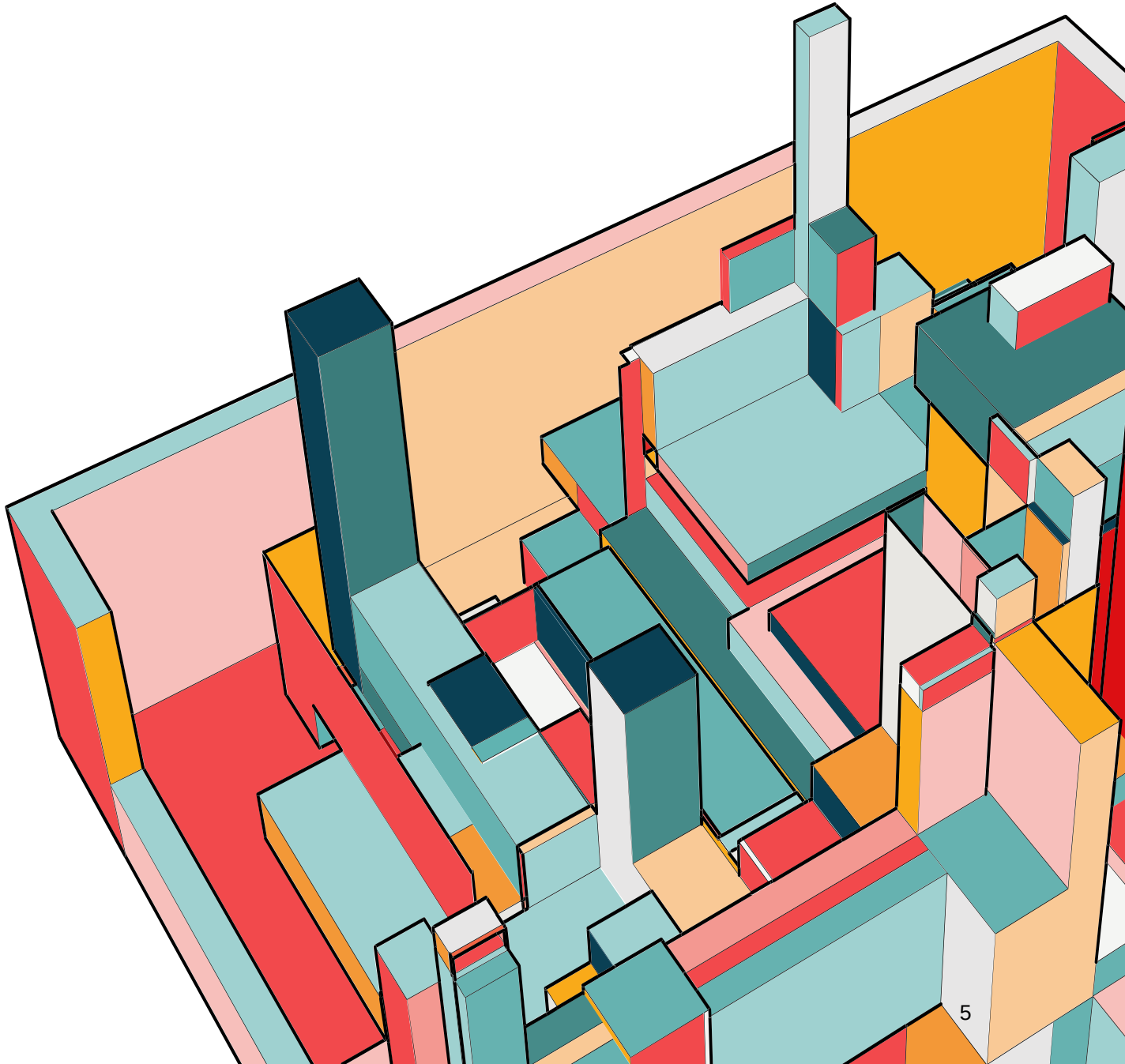


df.info()

Df.info used to get basic information about the dataset such as how many rows it has, how many columns it has and their names, non-null counts and dtypes.

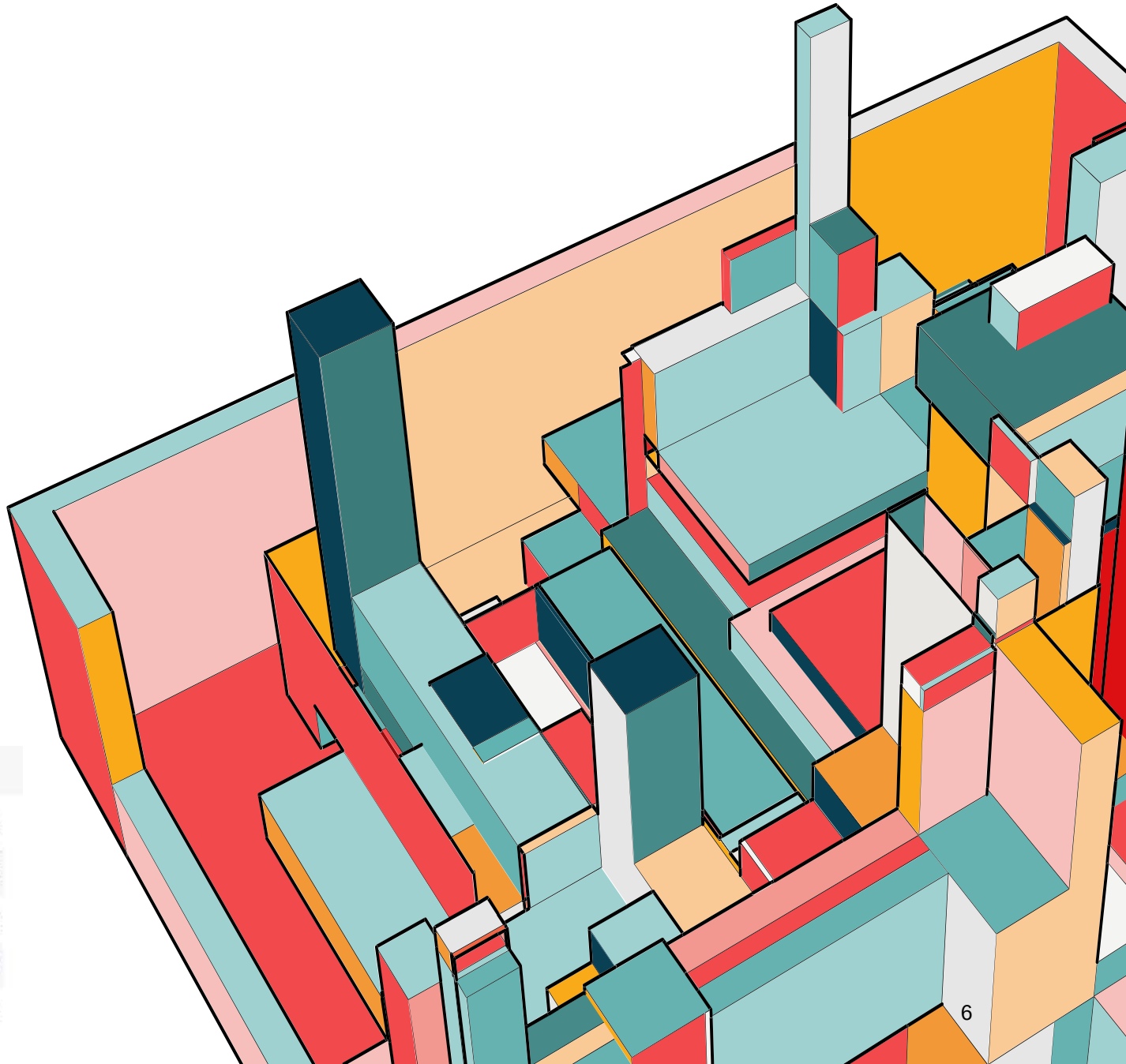
```
df.info()
```

```
<class 'pandas.core.frame.DataFrame'>
Index: 885 entries, 5.11.2018 1:26:14 to 5.27.2018 2:20:17
Data columns (total 15 columns):
 #   Column    Non-Null Count  Dtype
---  ------    --------------  -----
 0   Cinsiyet  885 non-null    object
 1   Yas       885 non-null    object
 2   Bolge     885 non-null    object
 3   Egitim    885 non-null    object
 4   soru1     885 non-null    object
 5   soru2     885 non-null    object
 6   soru3     885 non-null    object
 7   soru4     885 non-null    object
 8   soru5     885 non-null    object
 9   soru6     885 non-null    object
 10  soru7     885 non-null    object
 11  soru8     885 non-null    object
 12  soru9     885 non-null    object
 13  soru10    885 non-null    object
 14  parti     885 non-null    object
dtypes: object(15)
memory usage: 142.9+ KB
```



df.describe()

The df.describe() function in pandas is used to generate descriptive statistics of a DataFrame. It provides a summary of the central tendency, dispersion, and shape of the distribution of numerical columns in the DataFrame



```
df.describe()
```

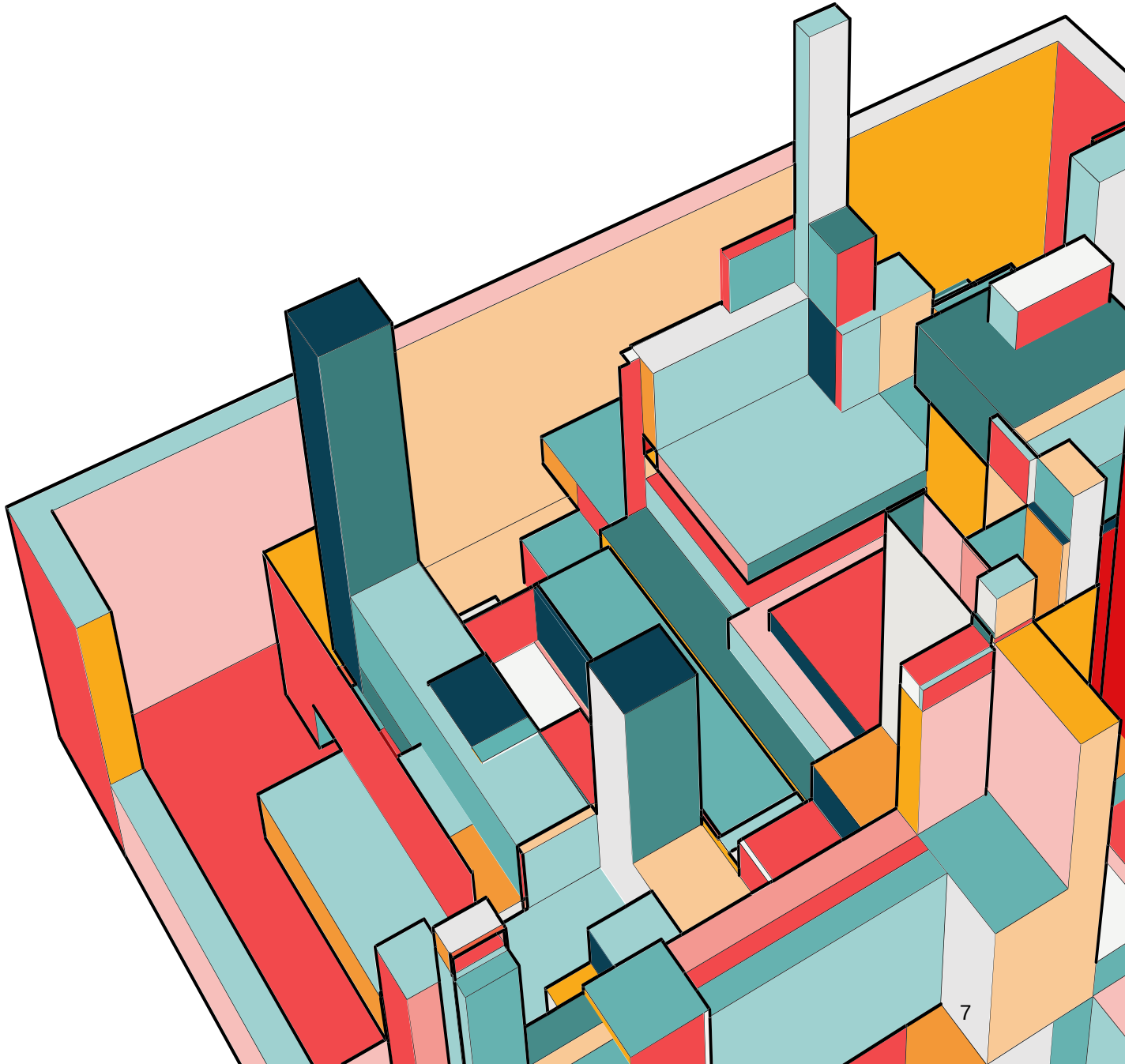
	Cinsiyet	Yas	Bolge	Egitim	soru1	soru2	soru3	soru4	soru5	soru6	soru7	soru8	soru9	soru10	parti
count	885	885	885	885	885	885	885	885	885	885	885	885	885	885	885
unique	2	5	7	6	2	2	2	2	2	2	2	2	2	2	6
top	Erkek	0-18	Marmara	Lise	Hayır	Evet	Evet	Evet	Hayır	Hayır	Evet	Hayır	Evet	Evet	IYI PARTI
freq	807	389	437	532	560	837	485	515	836	633	746	600	617	687	264

Different methods that used

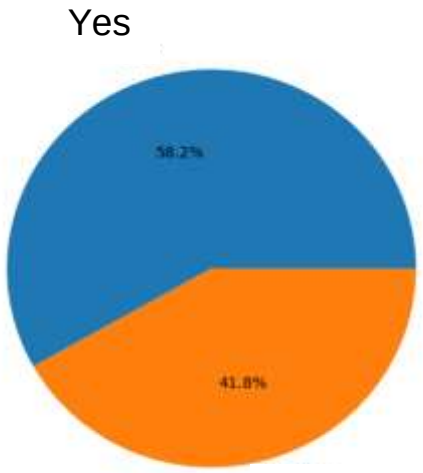
df.ColumnName.unique() -> It outputs unique categorical values of the column.

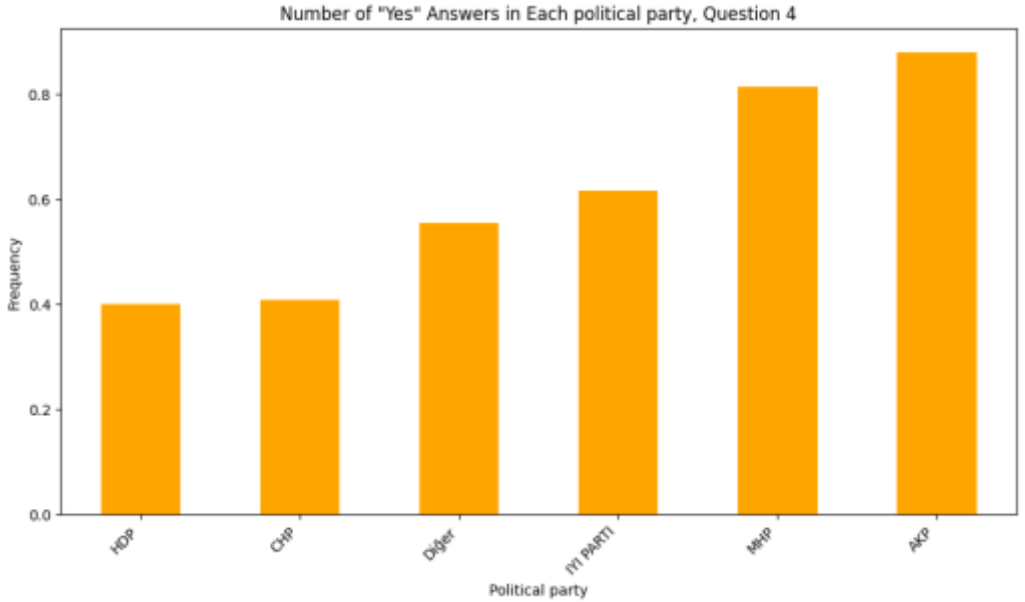
df.shape() -> It outputs column and row numbers.

df.dtypes() -> data types of each column.

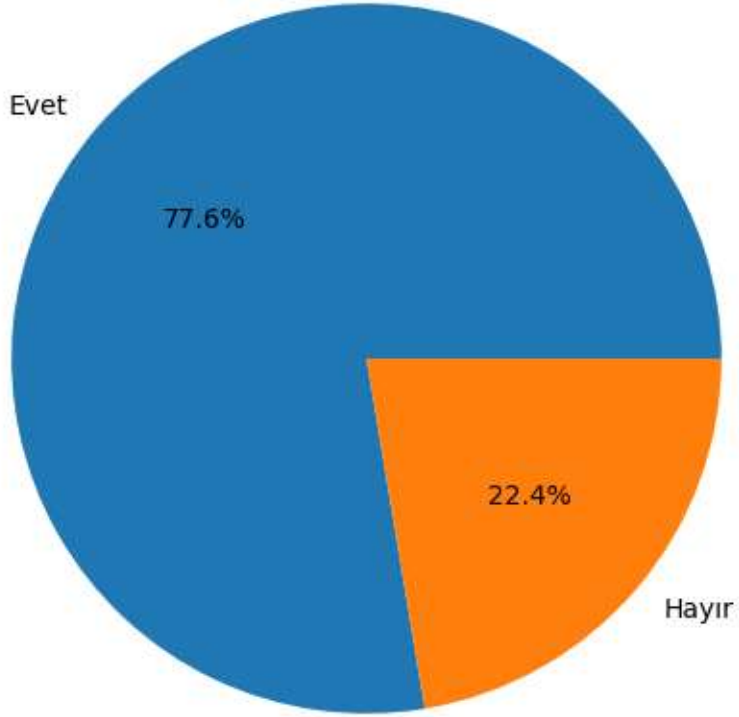


Should the state use a penalty like death penalty for certain crimes?



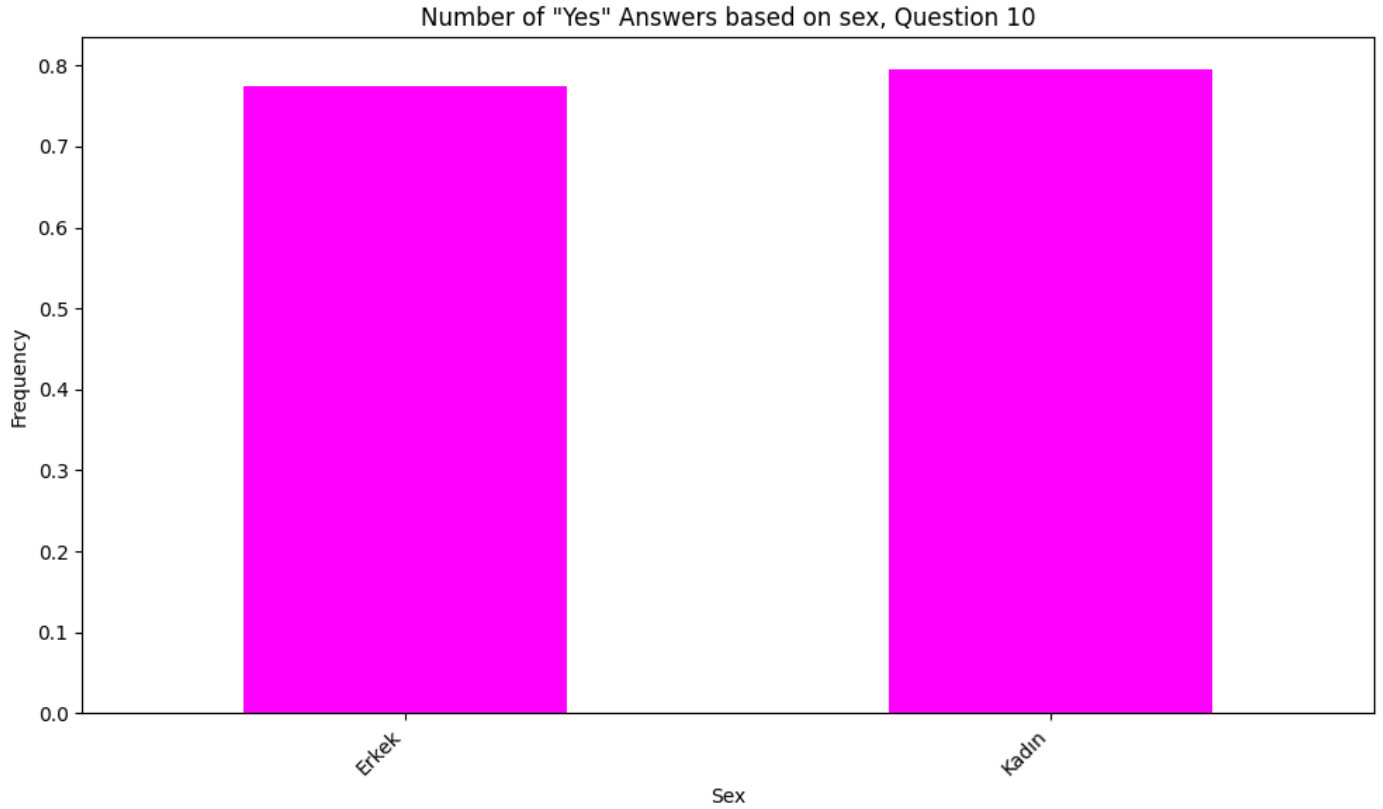


WOULD YOU LIKE TO BE A NEW PART OF THE PARLIAMENT

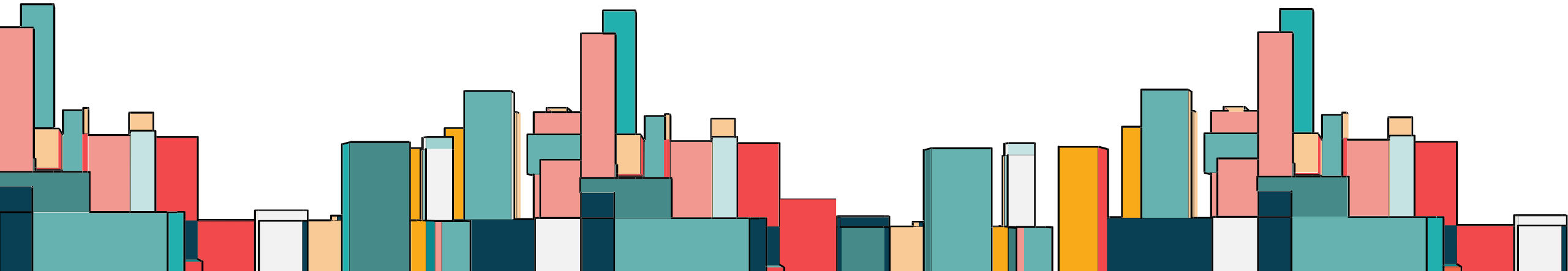


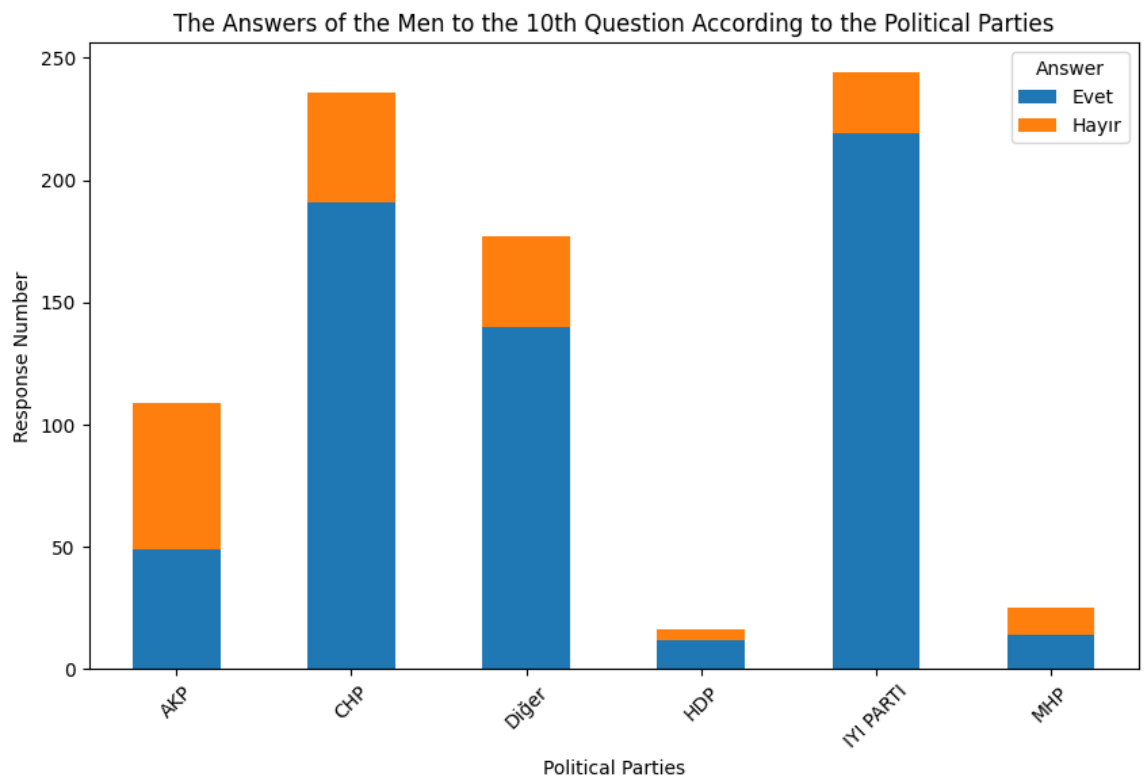
%77.6 of individuals said yes, and %22.4 of individiuals said no.

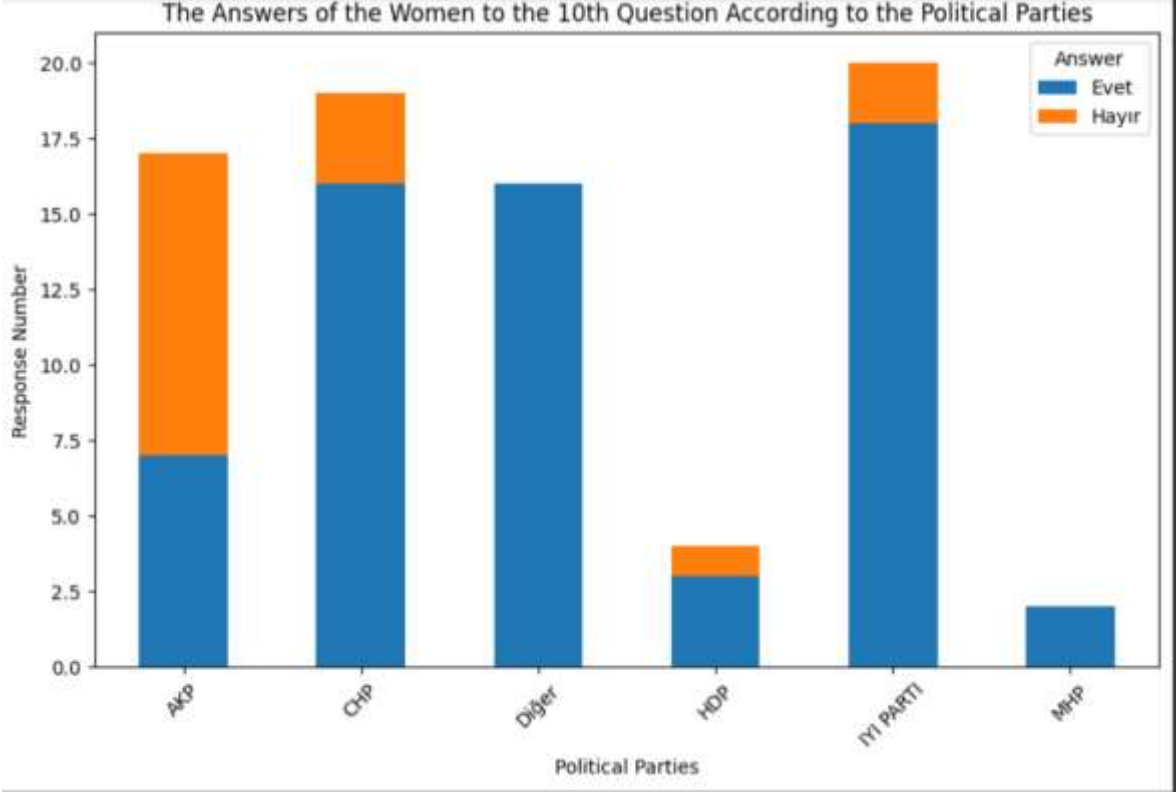
Almost %80 men said yes

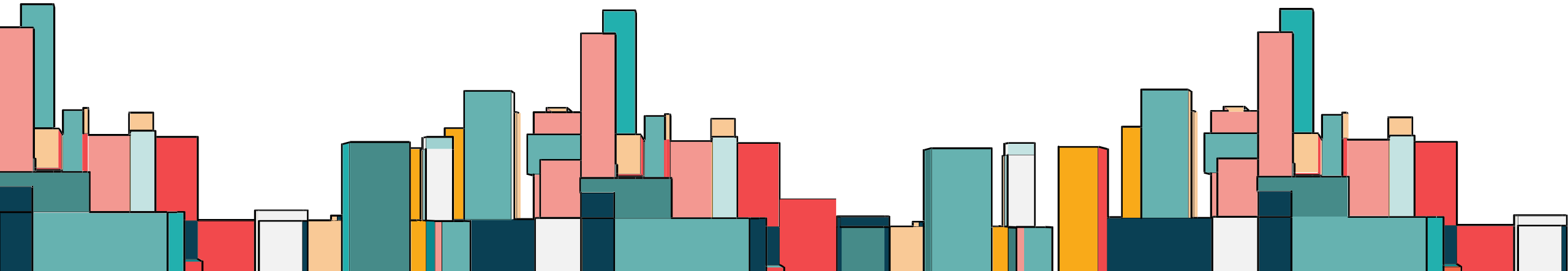


Almost %80 women said yes




The Answers of the Men to the 10th Question According to the Political Parties
Answer
Evet
Hayır
Response Number
0
50
100
150
200
250
AKP
CHP
Diğer
HDP
İYİ PARTİ
MHP
Political Parties


The Answers of the Women to the 10th Question According to the Political Parties
Answer
Evet
Hayır
Response Number
0.0
2.5
5.0
7.5
10.0
12.5
15.0
17.5
20.0
AKP
CHP
Diğer
HDP
İYİ PARTİ
MHP
Political Parties



WOMEN IN POLITIC

The Republic of Turkey gave women the right to vote and be elected before many other countries in the world. However, unlike in Europe, women are not sufficiently represented in local governments in Turkey, and their representation in general politics is below 10%.

Sancar,.S., Toksöz, G., Yüksel-Kaptanoğlu, İ., Memiş, E., Arslan, H., Kabadayı, A., Akyıldırım, O. & İnanç, B. (2021). Gender Equality Monitoring Report of Turkey 2019-2020. CEİD Yayınları. (https://dspace.ceid.org.tr/xmlui/handle/1/2141)

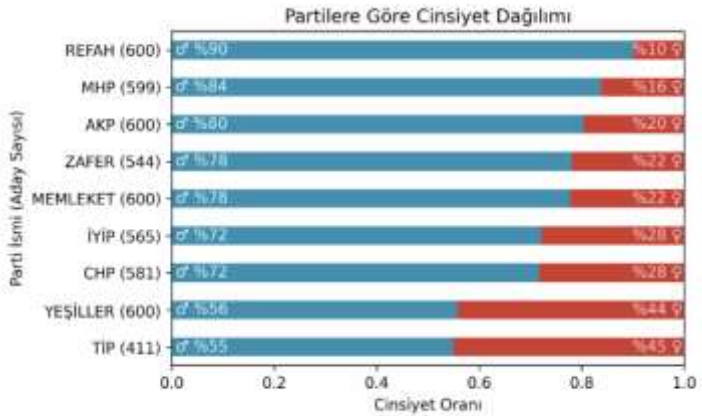
First congresswomen of Turkey Republic

https://tr.wikipedia.org/wiki/%C4%B0lk_T%C3%BCrk_kad%C4%B1n_milletvekilleri_listesi

https://m.bianet.org/bianet/siyaset/246303-sera-kadigil-chp-den-istifa-etti-tip-e-katildi

https://www.trthaber.com/haber/gundem/emine-ulker-tarhan-istifa-etti-149739.html

Although the rate of interest of women and men in politics is almost the same in our sample, as Sancar points out, the representation rates of men and women in Turkey are not equal.



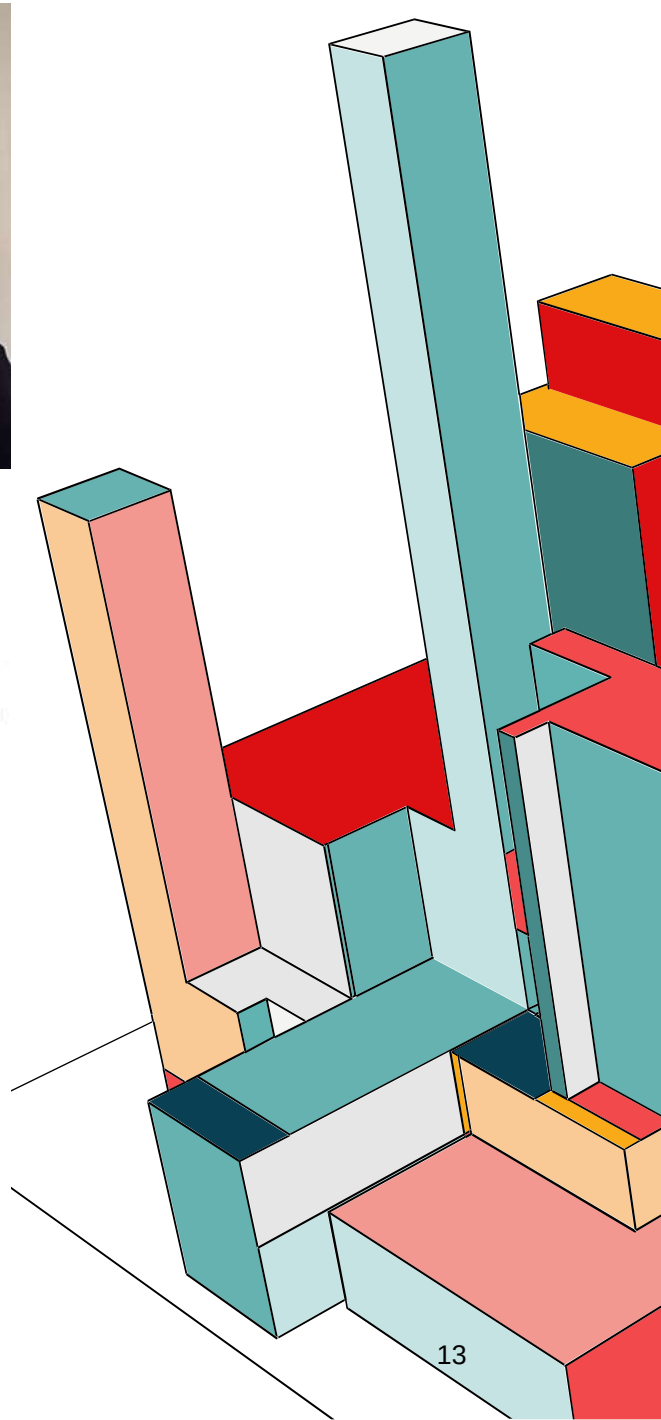
Figür 4: *Kadın aday oranının karşılaştırılması (Normalize edilmiş)*

http://secim2023.biz/posts/230420/

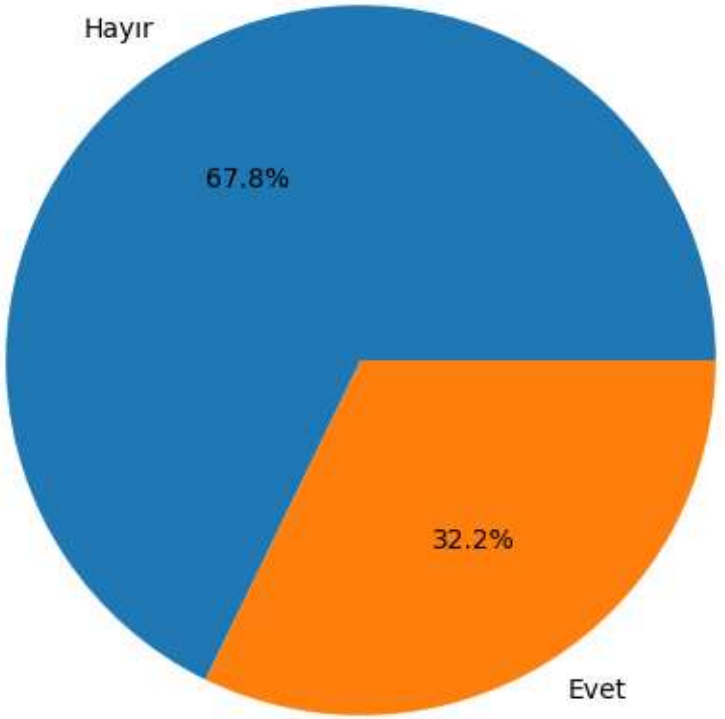
CİNSİYETE GÖRE DAĞILIM

Parti Adı	Kadın		Erkek		Parti Toplam
	Sayı	Oran	Sayı	Oran	
ADALET VE KALKINMA PARTİSİ	50	% 19.01	213	% 80.99	263
CUMHURİYET HALK PARTİSİ	24	% 18.46	106	% 81.54	130
YEŞİLLER VE SOL GELECEK PARTİSİ	27	% 47.37	30	% 52.63	57
MİLLİYETÇİ HAREKET PARTİSİ	4	% 8.00	46	% 92.00	50
İYİ PARTİ	5	% 11.36	39	% 88.64	44
DEMOKRASİ VE ATILIM PARTİSİ	4	% 26.67	11	% 73.33	15
SAADET PARTİSİ	0	% 0.00	10	% 100.00	10
GELECEK PARTİSİ	2	% 20.00	8	% 80.00	10
YENİDEN REFAH PARTİSİ	0	% 0.00	6	% 100.00	6
TÜRKİYE İŞÇİ PARTİSİ	1	% 25.00	3	% 75.00	4
BAĞIMSIZ MİLLETVEKİLİ	0	% 0.00	3	% 100.00	3
DEMOKRAT PARTİ	0	% 0.00	3	% 100.00	3
EMEK PARTİSİ	1	% 50.00	1	% 50.00	2
HALKLARIN DEMOKRATİK PARTİSİ	1	% 50.00	1	% 50.00	2
HÜR DAVA PARTİSİ	0	% 0.00	1	% 100.00	1
DEMOKRATİK SOL PARTİ	0	% 0.00	1	% 100.00	1
Genel Toplam	119	% 19.83	481	% 80.17	600

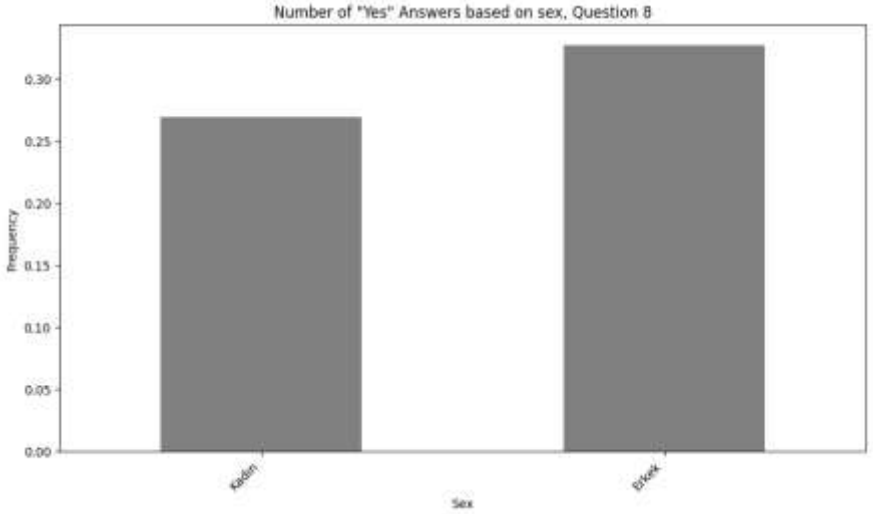
https://www.tbmm.gov.tr/sandalyedagilimi

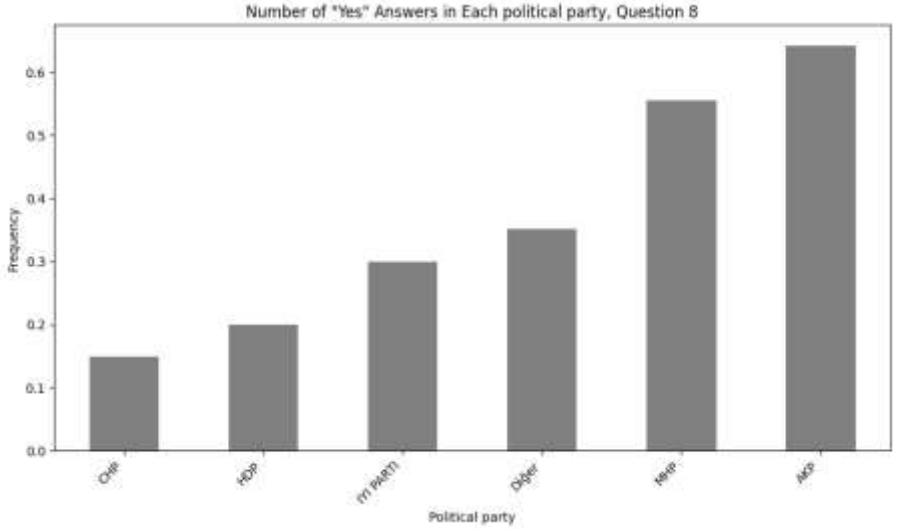


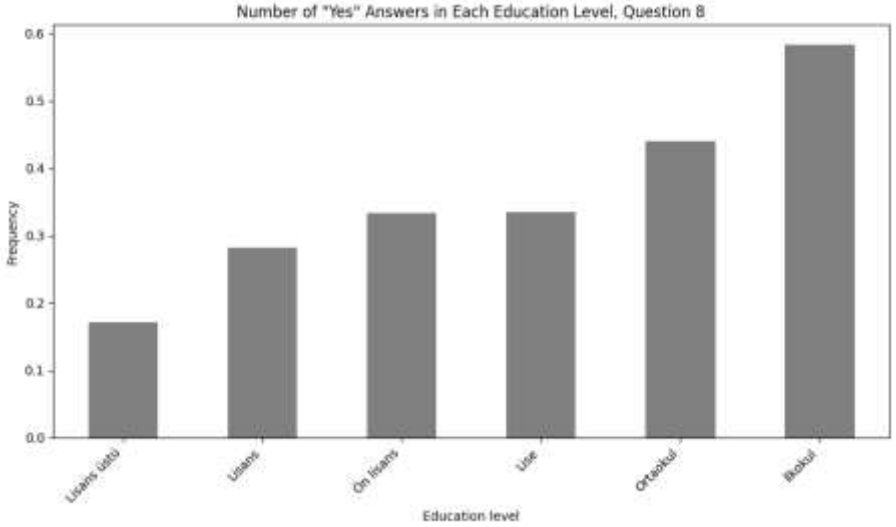
ARE YOU SUPPORTING THE ABORTION BAN?

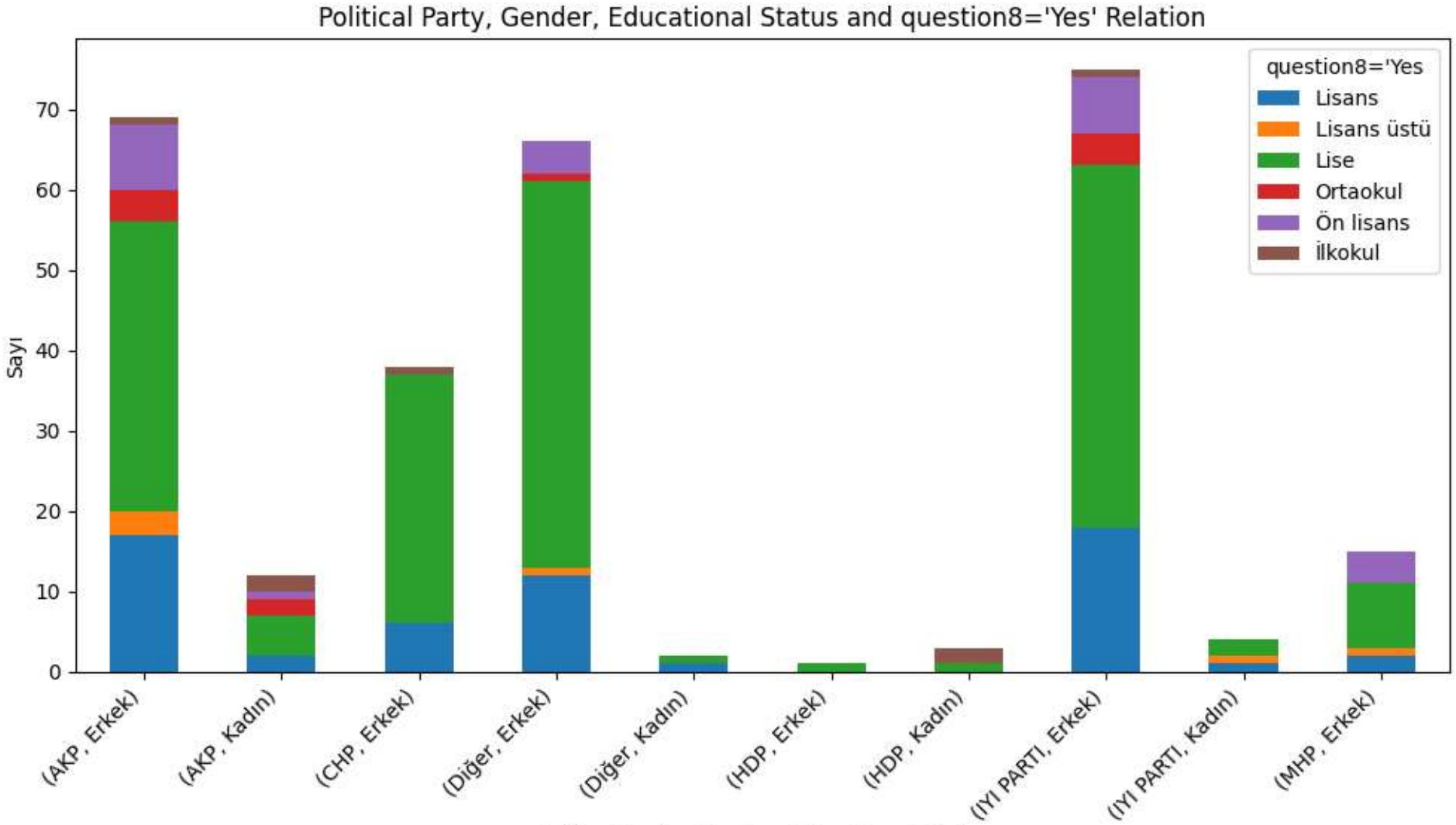


%32.2 of individuals said yes, and %67.8 of individiuals said no.

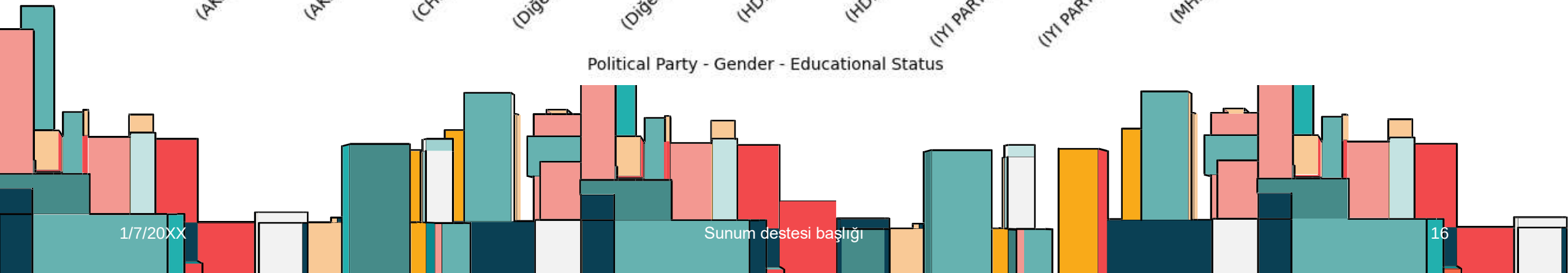

Number of "Yes" Answers based on sex, Question 8
Frequency
0.00
0.05
0.10
0.15
0.20
0.25
0.30
Kadın
Erkek
Sex


Number of "Yes" Answers in Each political party, Question 8
Frequency
0.0
0.1
0.2
0.3
0.4
0.5
0.6
CHP
HDP
İYİ PARTİ
Diğer
MHP
AKP
Political party


Number of "Yes" Answers in Each Education Level, Question 8
Frequency
0.0
0.1
0.2
0.3
0.4
0.5
0.6
Lisans üstü
Lisans
Ön lisans
Lise
Ortaokul
İlkokul
Education level



Political Party - Gender - Educational Status



ABORTION DEBATE IN TURKEY

Abortion in Turkey is a long-standing debate. Conservatives defend their view that abortion is murder, while individualists argue that abortion is the decision of the couple or the individual, and they argue that abortion is not murder because the embryo is not a developed creature.

Erdoğan: Kürtaj cinayettir

Başbakan Erdoğan nüfus konferansında bir konuşma yaptı. Sezaryanla doğuma karşı olduğunu söyleyen Erdoğan, "Kürtajı cinayet olarak görüyorum" dedi. Erdoğan, konuşmasında Suriye'deki olaylara da değindi.

25.05.2012 - 18:57 Haberler

Paylaş

https://www.ntv.com.tr/turkiye/erdogan-kurtaj-cinayettir,VgwTjJiEyEuq-9Qcqqy6Ag

KANUN TEKLİFİ BİLGİLERİ

	Kanun Teklifinin Metni
Dönemi ve Yasama Yılı	24 / 4
Esas Numarası	2 / 1943
Başkanlığa Geliş Tarihi	09/01/2014
Teklifin Başlığı	Türk Ceza Kanununda Değişiklik Yapılmasına Dair Kanun Teklifi
Teklifin Özeti	Teklif ile 5237 sayılı Türk Ceza Kanunu'nda değişiklik yapılmak suretiyle, mevcut düzenlemede on hafta olan isteğe bağlı kürtaj süresinin yirmi haftaya kadar uzatılarak gebelik süresi yirmi haftadan fazla olan kadının çocuğunu isteyerek düşürmesi halinde, bir yıla kadar hapis veya adli para cezasına hükmolunması amaçlanmaktadır.
Son Durumu	KOMİSYONDA
Teklifin Sonucu	HÜKÜMSÜZ (G)

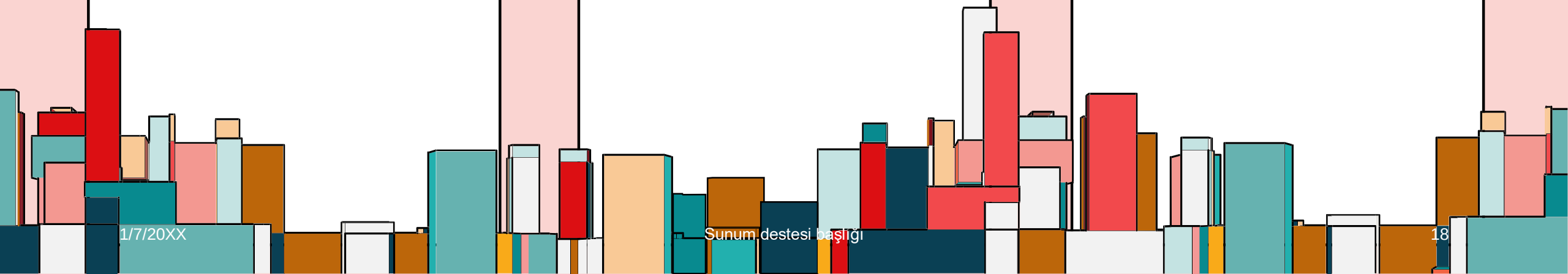
https://www.tbmm.gov.tr/Yasama/KanunTeklifi/f72877bf-4304-037b-e050-007f01005610

THE DEMOGRAPHIC FEATURES

Age and sex of individuals

Education status of individuals

Where individuals live



THE QUESTIONS

Question1: Do you think our economic status is good?

Question2: Need reform in education?

Question3: Is privatization a good economic model?

Question4: Should the state use a penalty like death penalty for certain crimes?

Question5: Do you find our journalists neutral enough?

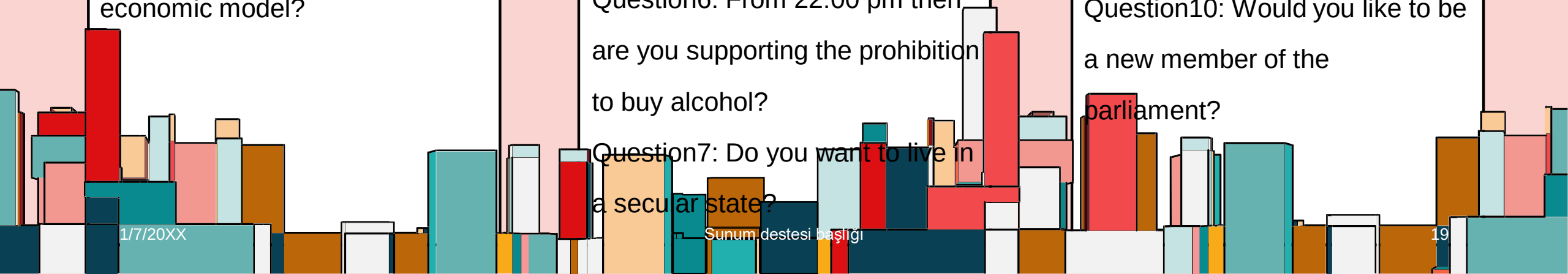
Question6: From 22:00 pm then are you supporting the prohibition to buy alcohol?

Question7: Do you want to live in a secular state?

Question8: Are you supporting the abortion ban?

Question9: Do you think that the extraordinary state (Ohal) restricts freedoms?

Question10: Would you like to be a new member of the parliament?



OUR ML MODELS THAT WE USED TO PREDICT THE POLITICAL PARTY WITH THE FEATURES

Decision

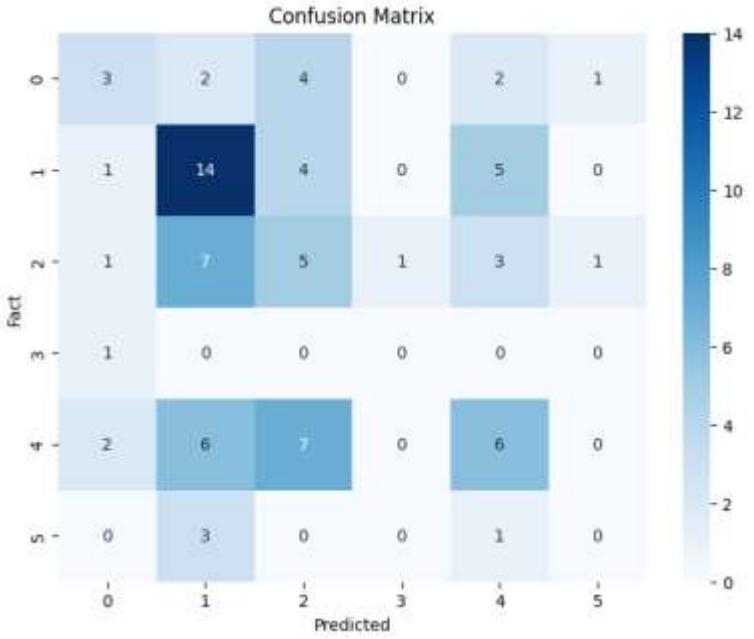
Tree Model

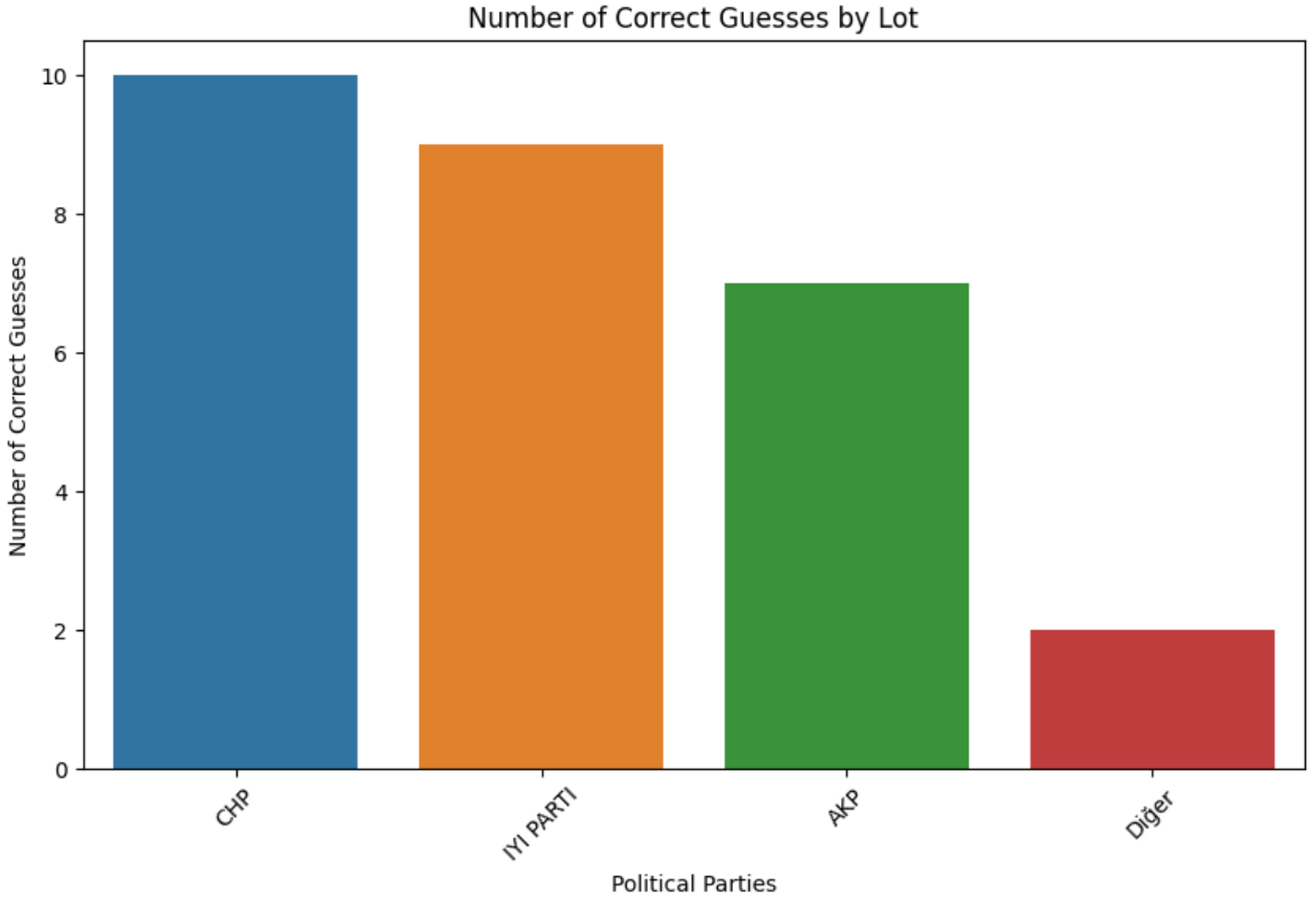
KNN MODEL

Forest Tree Model

DECISION TREE MODEL

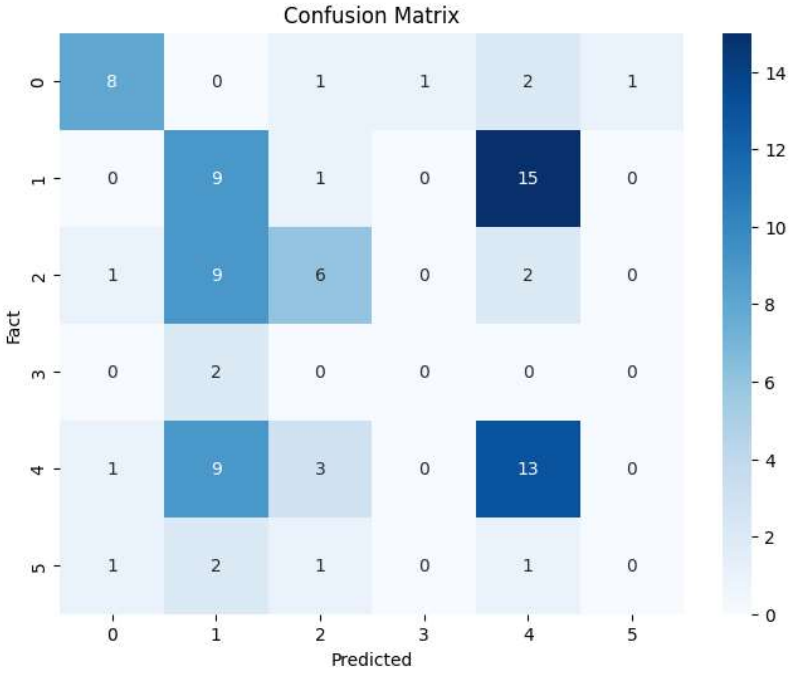
Accurancy rate: 0.35

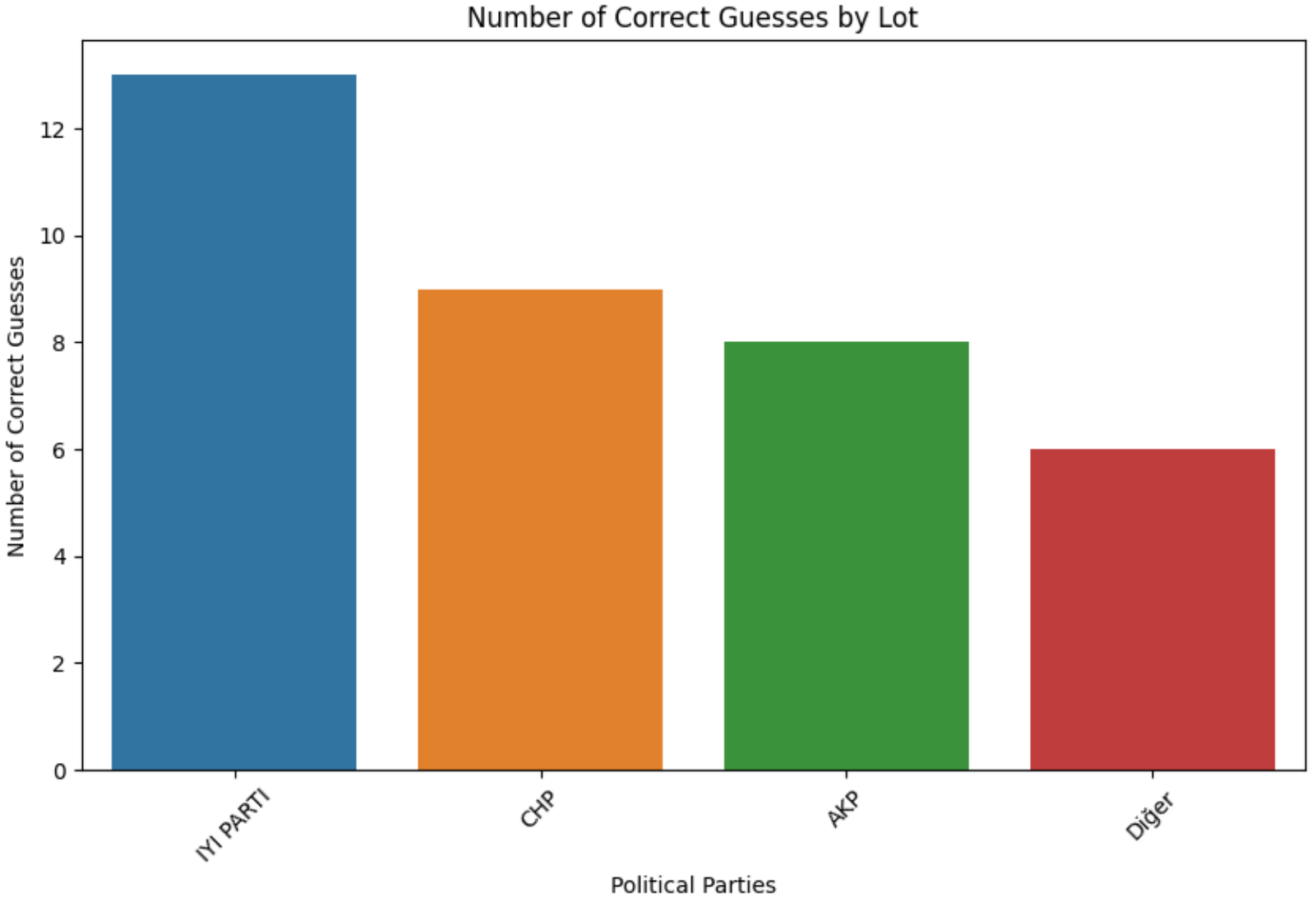




FOREST TREE MODEL

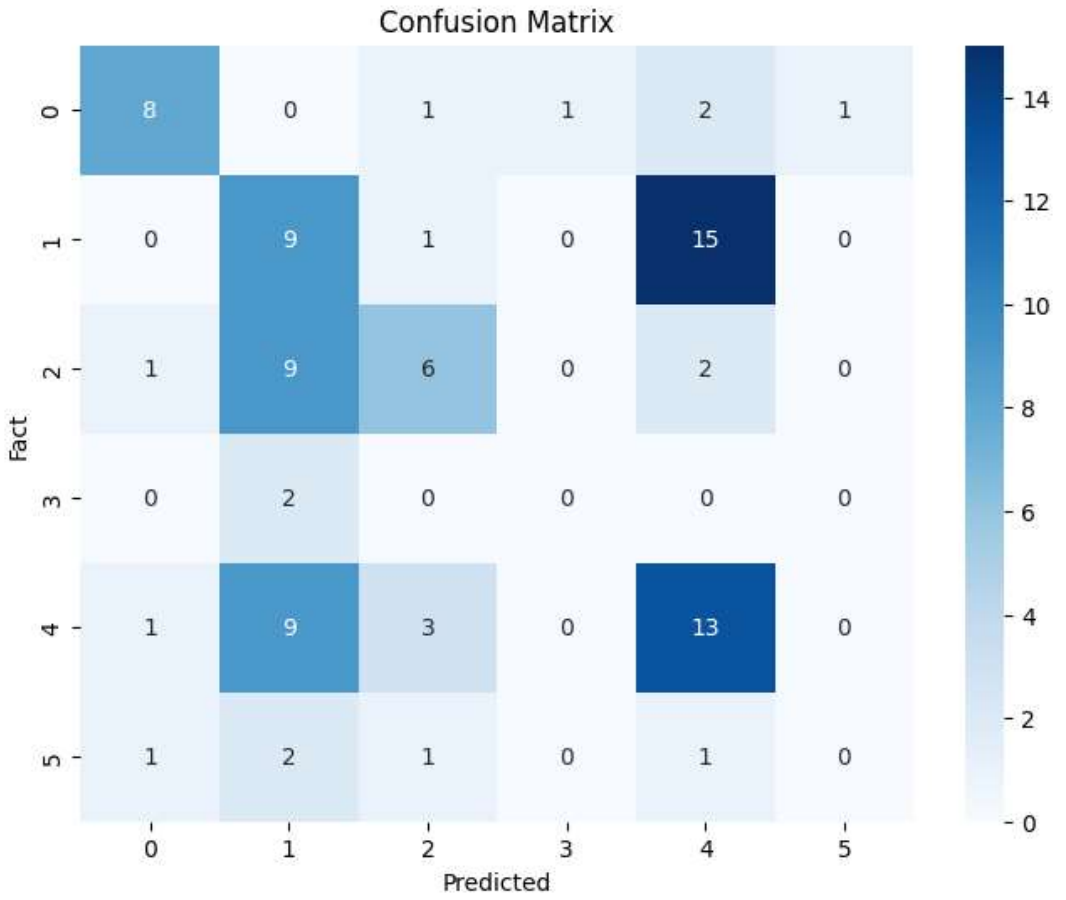
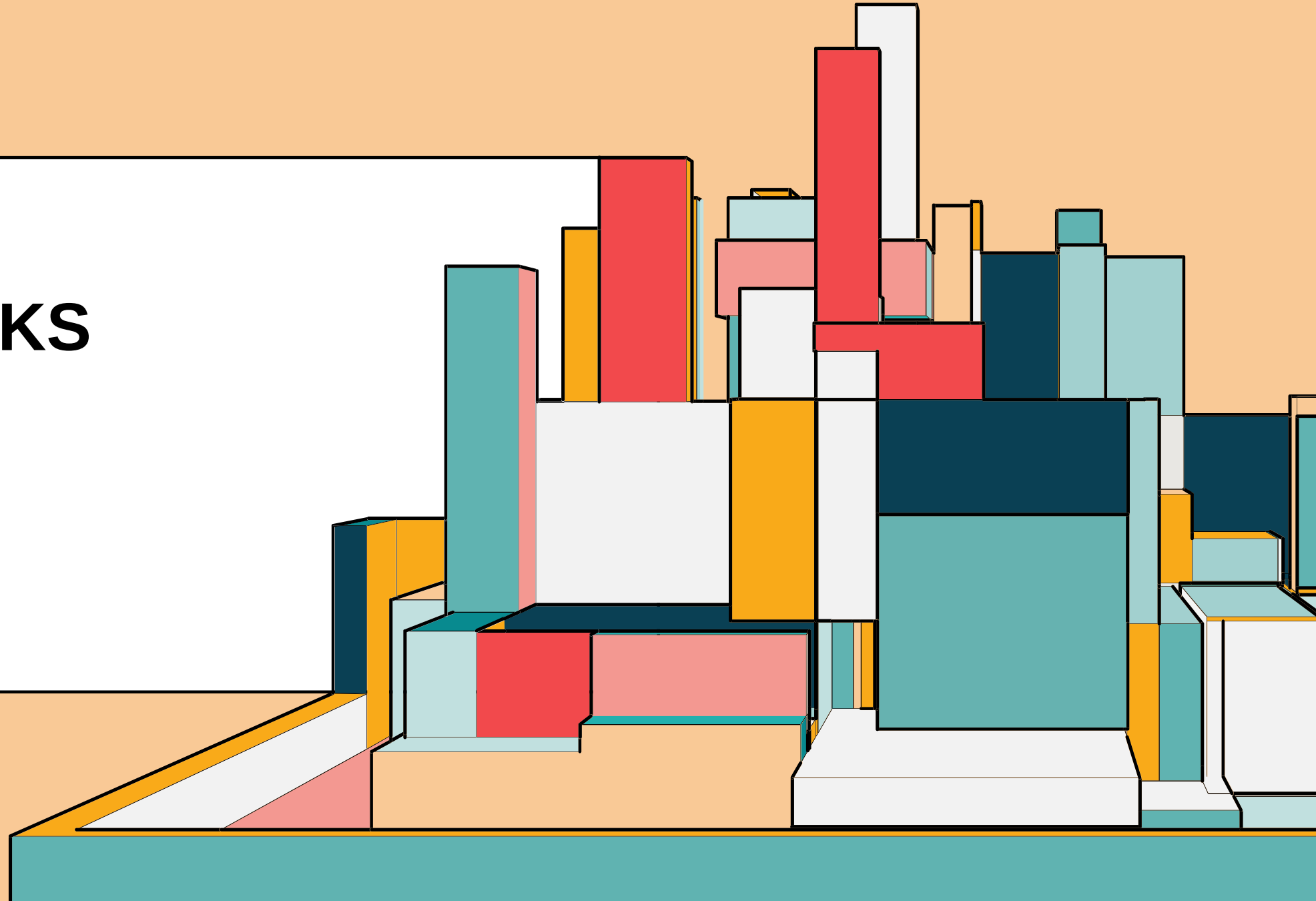
Accurancy rate: 0.426





KNN MODEL

Accuracy rate: 0.35



THANKS