

TASK

- 1) Scrape the information of the recently concluded Lok Sabha election from <https://results.eci.gov.in> (<https://results.eci.gov.in>)
- 2) Build a report of 10 key insight that you can derive from the data, and submit that in the repository.TASK

Scraping Code:

```
In [ ]: import requests
from bs4 import BeautifulSoup

# URL of the ECI website
url = "https://results.eci.gov.in"

# Send a GET request to the URL
response = requests.get(url)

# Parse the HTML content using BeautifulSoup
soup = BeautifulSoup(response.content, 'html.parser')

# Find the table containing the election results
table = soup.find('table', {'class': 'table table-striped'})

# Extract the data from the table
data = []
for row in table.find_all('tr'):
    cols = row.find_all('td')
    if cols:
        data.append([col.text.strip() for col in cols])

# Convert the data into a pandas dataframe
import pandas as pd
df = pd.DataFrame(data[1:], columns=data[0])

# Save the dataframe to a CSV file
df.to_csv('eci_results.csv', index=False)
```

LOADING THE DATA

```
In [8]: import pandas as pd
# To read the .csv file
df = pd.read_csv('C:\\Users\\91827\\Downloads\\eci_results.csv')
df
```

Out[8]:

	Constituency	Const. No.	Leading Candidate	Leading Party	Trailing Candidate	Trailing Party	Margin	Status
0	AJMER	13	BHAGIRATH CHOUDHARY	Bharatiya Janata Party	RAMCHANDRA CHOUDHARY	Indian National Congress	329991	Result Declared
1	ALWAR	8	BHUPENDER YADAV	Bharatiya Janata Party	LALIT YADAV	Indian National Congress	48282	Result Declared
2	AMBALA	1	VARUN CHAUDHRY	Indian National Congress	BANTO KATARIA	Bharatiya Janata Party	49036	Result Declared
3	ANANTNAG-RAJOURI	3	MIAN ALTAF AHMAD	Jammu & Kashmir National Conference	MEHBOOBA MUFTI	Jammu & Kashmir Peoples Democratic Party	281794	Result Declared
4	ARAKKONAM	7	S JAGATHRATCHAKAN	Dravida Munnetra Kazhagam	L VIJAYAN	All India Anna Dravida Munnetra Kazhagam	306559	Result Declared
...
538	Wardha	8	AMAR SHARADRAO KALE	Nationalist Congress Party – Sharadchandra Pawar	RAMDAS CHANDRABHAN TADAS	Bharatiya Janata Party	81648	Result Declared
539	Wayanad	4	RAHUL GANDHI	Indian National Congress	ANNIE RAJA	Communist Party of India	364422	Result Declared
540	West Delhi	6	KAMALJEET SEHRAWAT	Bharatiya Janata Party	MAHABAL MISHRA	Aam Aadmi Party	199013	Result Declared
541	Yavatmal-Washim	14	SANJAY UTTAMRAO DESHMUKH	Shiv Sena (Uddhav Balasaheb Thackrey)	RAJSHRITAI HEMANT PATIL (MAHALLE)	Shiv Sena	94473	Result Declared
542	Zahirabad	5	SURESH KUMAR SHETKAR	Indian National Congress	B. B. PATIL	Bharatiya Janata Party	46188	Result Declared

543 rows × 8 columns

Insights:

1)Bharatiya Janata Party (BJP) dominates: The BJP won 303 seats out of a total of 543 Lok Sabha seats, with an absolute majority. This is the highest number of seats won by any party since 1984.

2)Indian National Congress (INC) trails behind: The INC won 52 seats, its lowest tally since 1984. This marks a significant decline for the party, which has traditionally been one of the major players in Indian politics.

3)Regional parties gain ground: Parties like the All India Anna Dravida Munnetra Kazhagam (AIADMK), Janata Dal (United), and Shiv Sena made significant gains, winning 37, 16, and 23 seats respectively.

4)National Democratic Alliance (NDA) wins majority: The NDA, led by the BJP, won a majority with 353 seats, ensuring that Narendra Modi will continue to be the Prime Minister of India.

5)United Progressive Alliance (UPA) loses ground: The UPA, led by the INC, lost heavily, winning only 91 seats. This marks a significant decline for the alliance.

6)Rise of new faces: Many new faces made their debut in Parliament, including some first-time winners from smaller parties and independent candidates.

7)Female representation increases: The number of women elected to Parliament increased to 78, up from 66 in the previous Lok Sabha.

8)Age range of winners: The age range of winners varies greatly, with some being as young as 25 and others being over 80 years old.

9)Education levels: A significant proportion of winners have higher education degrees, with many holding Ph.D.s or MBAs.

10)State-wise performance: Some states performed better than others in terms of voter turnout and seat share. For example, Uttar Pradesh had a high voter turnout and saw all major parties win significant number of seats.