Who to vote in the next elections?

Today we are living in 21st century where most of the countries are following nation-state system and democracy. People have the power to choose their rulers by voting. It is the need of the time that we should know who we are choosing so we may actively take part in growth of our country and our society.
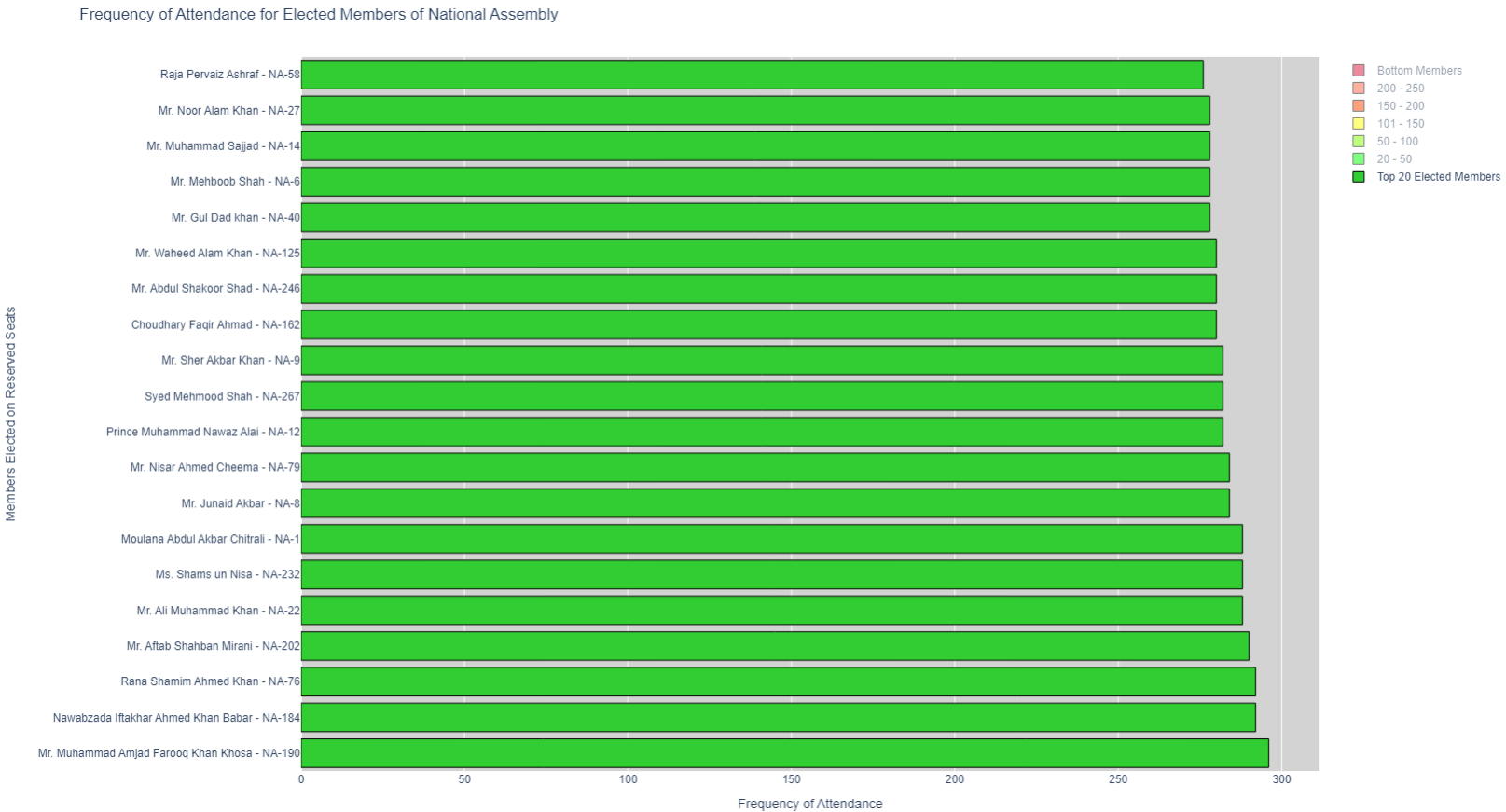

Above is the picture of National Assembly of Pakistan. It contains members all over the country chosen by its citizens after every five years. The dataset we are using contains the Complete Attendance record of Pakistan's National Assembly from Assembly's **First Session on September 17, 2018 to Session 43 on June 28, 2022** (elections will be commenced after a year). Attendence is often a good yardstick to know the devotion of someone to his/her job. So here, we will get to know how punctual the NA members are to the Assembly sessions using this dataset. Citizens will be able to decide whom should they elect after a year **based on data not on intuition**.
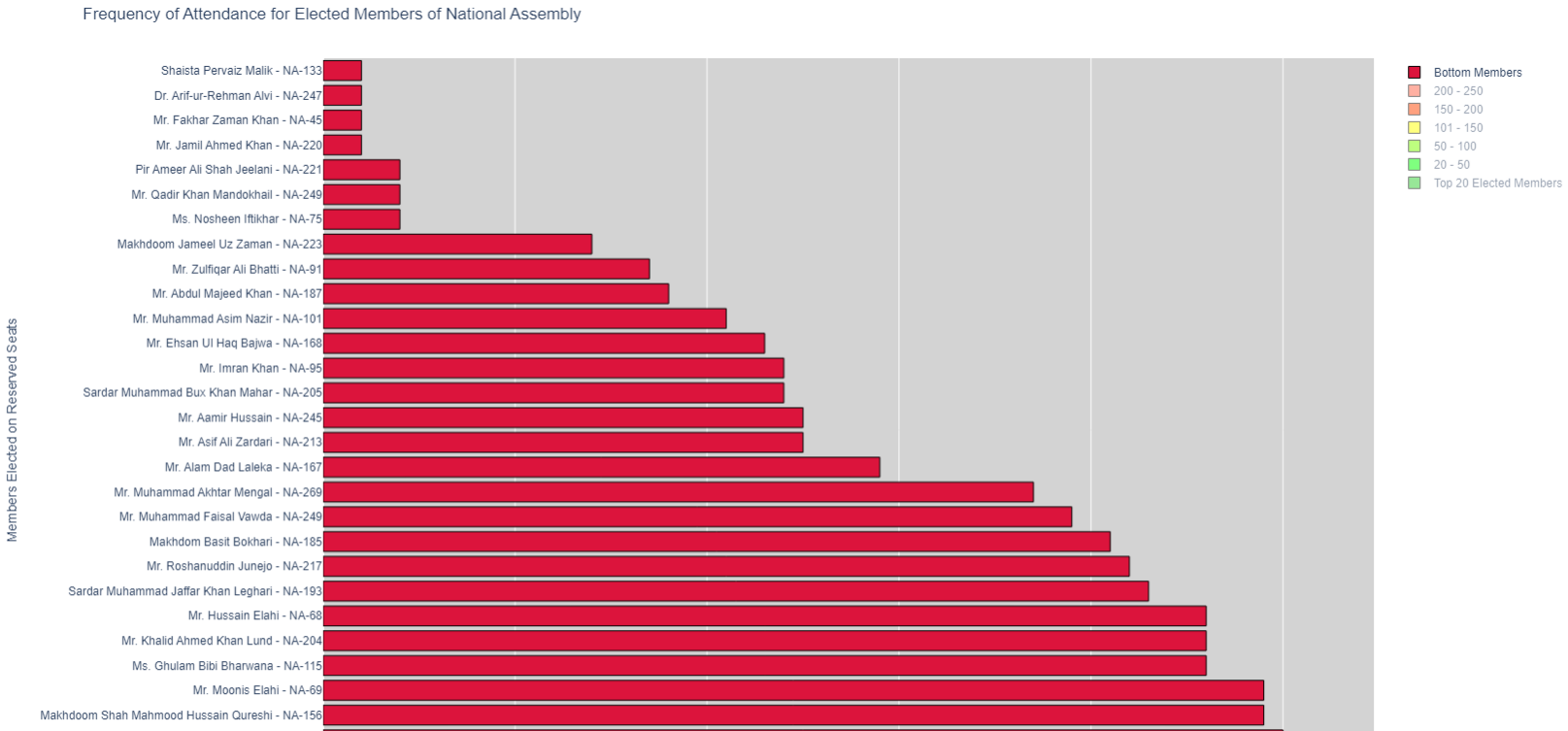
Disclaimer: Attendence of NA members in assembly sessions is not the only nor the most accurate to efficiency of a member, but it is still some food for thought for a responsible voter. Please view this notebook keeping the above ideas in your mind.
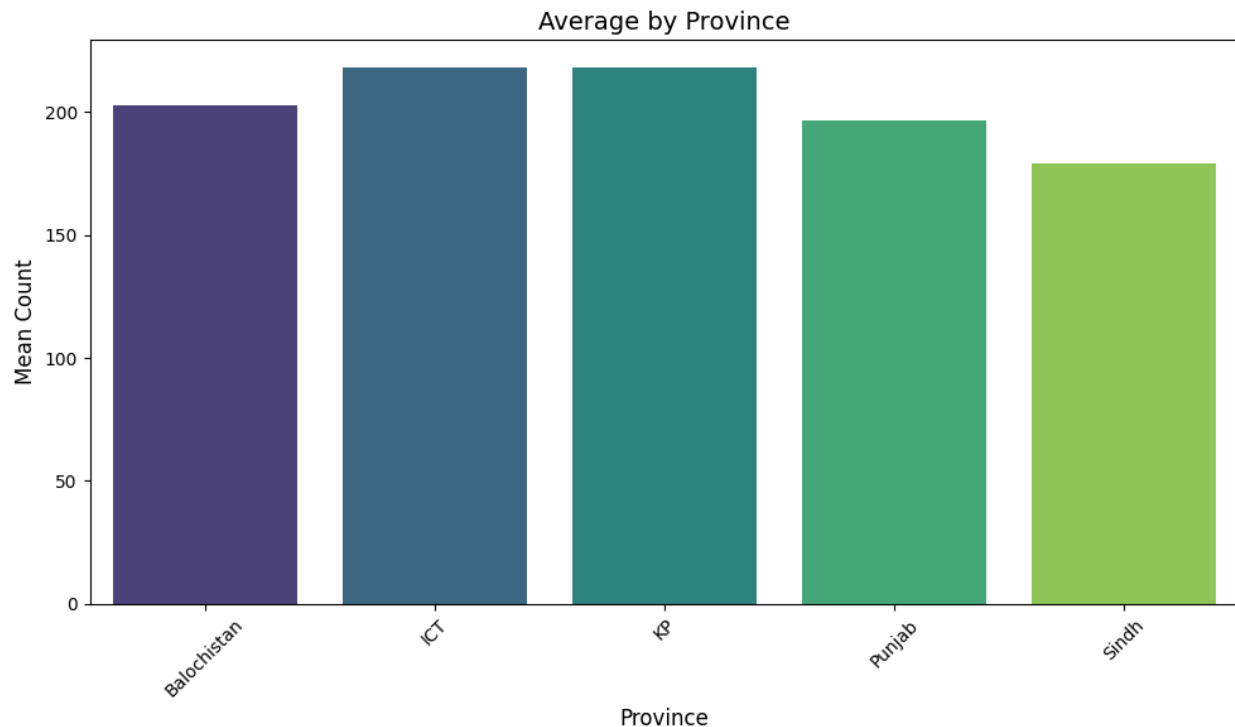
Analysis:

Top 20 Elected Members consistently exhibit the highest attendance:

Frequency of Attendance for Elected Members of National Assembly

Member	
Raja Pervaiz Ashraf - NA-58	
Mr. Noor Alam Khan - NA-27	
Mr. Muhammad Sajjad - NA-14	
Mr. Mehboob Shah - NA-6	
Mr. Gul Dad khan - NA-40	
Mr. Waheed Alam Khan - NA-125	
Mr. Abdul Shakoor Shad - NA-246	
Choudhary Faqir Ahmad - NA-162	
Mr. Sher Akbar Khan - NA-9	
Syed Mehmood Shah - NA-267	
Prince Muhammad Nawaz Alai - NA-12	
Mr. Nisar Ahmed Cheema - NA-79	
Mr. Junaid Akbar - NA-8	
Moulana Abdul Akbar Chitrali - NA-1	
Ms. Shams un Nisa - NA-232	
Mr. Ali Muhammad Khan - NA-22	
Mr. Aftab Shahban Mirani - NA-202	
Rana Shamim Ahmed Khan - NA-76	
Nawabzada Iftakhar Ahmed Khan Babar - NA-184	
Mr. Muhammad Amjad Farooq Khan Khosa - NA-190	

Y-axis: Members Elected on Reserved Seats
X-axis: Frequency of Attendance (0, 50, 100, 150, 200, 250, 300)

Legend:
- Bottom Members
- 200 - 250
- 150 - 200
- 101 - 150
- 50 - 100
- 20 - 50
- Top 20 Elected Members

Bottom 20 Elected Members with least attendance:

Frequency of Attendance for Elected Members of National Assembly

Member	
Shaista Pervaiz Malik - NA-133	
Dr. Arif-ur-Rehman Alvi - NA-247	
Mr. Fakhar Zaman Khan - NA-45	
Mr. Jamil Ahmed Khan - NA-220	
Pir Ameer Ali Shah Jeelani - NA-221	
Mr. Qadir Khan Mandokhail - NA-249	
Ms. Nosheen Iftikhar - NA-75	
Makhdoom Jameel Uz Zaman - NA-223	
Mr. Zulfiqar Ali Bhatti - NA-91	
Mr. Abdul Majeed Khan - NA-187	
Mr. Muhammad Asim Nazir - NA-101	
Mr. Ehsan Ul Haq Bajwa - NA-168	
Mr. Imran Khan - NA-95	
Sardar Muhammad Bux Khan Mahar - NA-205	
Mr. Aamir Hussain - NA-245	
Mr. Asif Ali Zardari - NA-213	
Mr. Alam Dad Laleka - NA-167	
Mr. Muhammad Akhtar Mengal - NA-269	
Mr. Muhammad Faisal Vawda - NA-249	
Makhdom Basit Bokhari - NA-185	
Mr. Roshanuddin Junejo - NA-217	
Sardar Muhammad Jaffar Khan Leghari - NA-193	
Mr. Hussain Elahi - NA-68	
Mr. Khalid Ahmed Khan Lund - NA-204	
Ms. Ghulam Bibi Bharwana - NA-115	
Mr. Moonis Elahi - NA-69	
Makhdoom Shah Mahmood Hussain Qureshi - NA-156	

Y-axis: Members Elected on Reserved Seats

Legend:
- Bottom Members
- 200 - 250
- 150 - 200
- 101 - 150
- 50 - 100
- 20 - 50
- Top 20 Elected Members

Province wise Attendance Analysis:

Based on attendance records, the following is the ranking of member attendance in the five provinces of Pakistan:

1. Khyber Pakhtunkhwa (KP): Members from KP consistently exhibit the highest attendance rates, demonstrating a strong commitment to parliamentary activities.

2. Islamabad (ICT): Rank second and actively contribute to the parliamentary process.

3. Balochistan: Rank third in attendance and actively contribute to the parliamentary process.

4. Punjab: Members from Punjab rank forth in terms of attendance

5. Sindh: Members from Sindh rank last in attendance and actively contribute to the parliamentary process.

Course Name: Data Science
Project Title: Who to vote in the next elections? Province wise Attendance Analysis
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