

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.

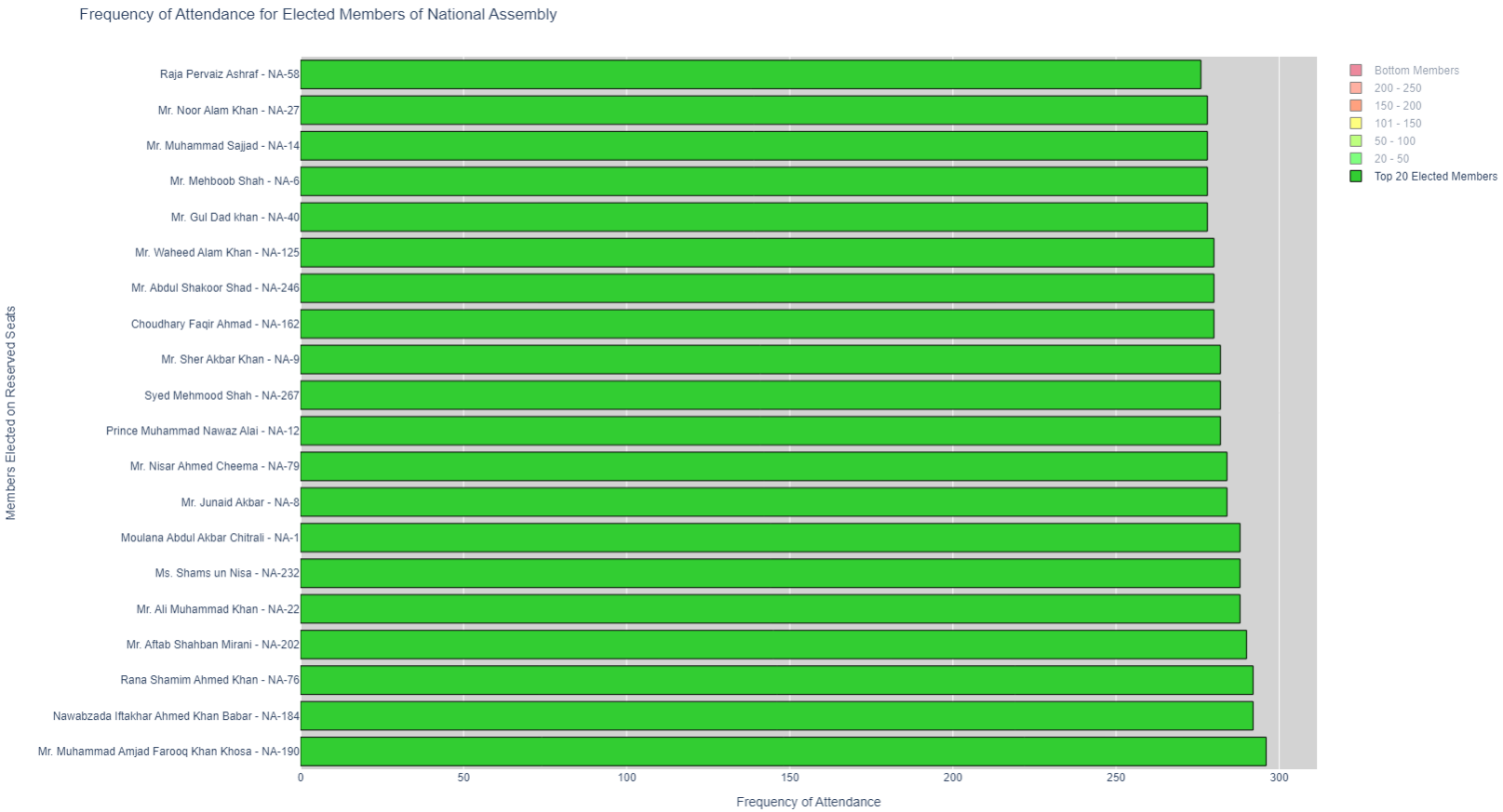


Above is the picture of National Assembly of Pakistan. It contains members all over the country chosen by its citizens after every five years. The dataset we are using contains the Complete Attendance record of Pakistan's National Assembly from Assembly's **First Session on September 17, 2018 to Session 43 on June 28, 2022** (elections will be commenced after a year). Attendance 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**.

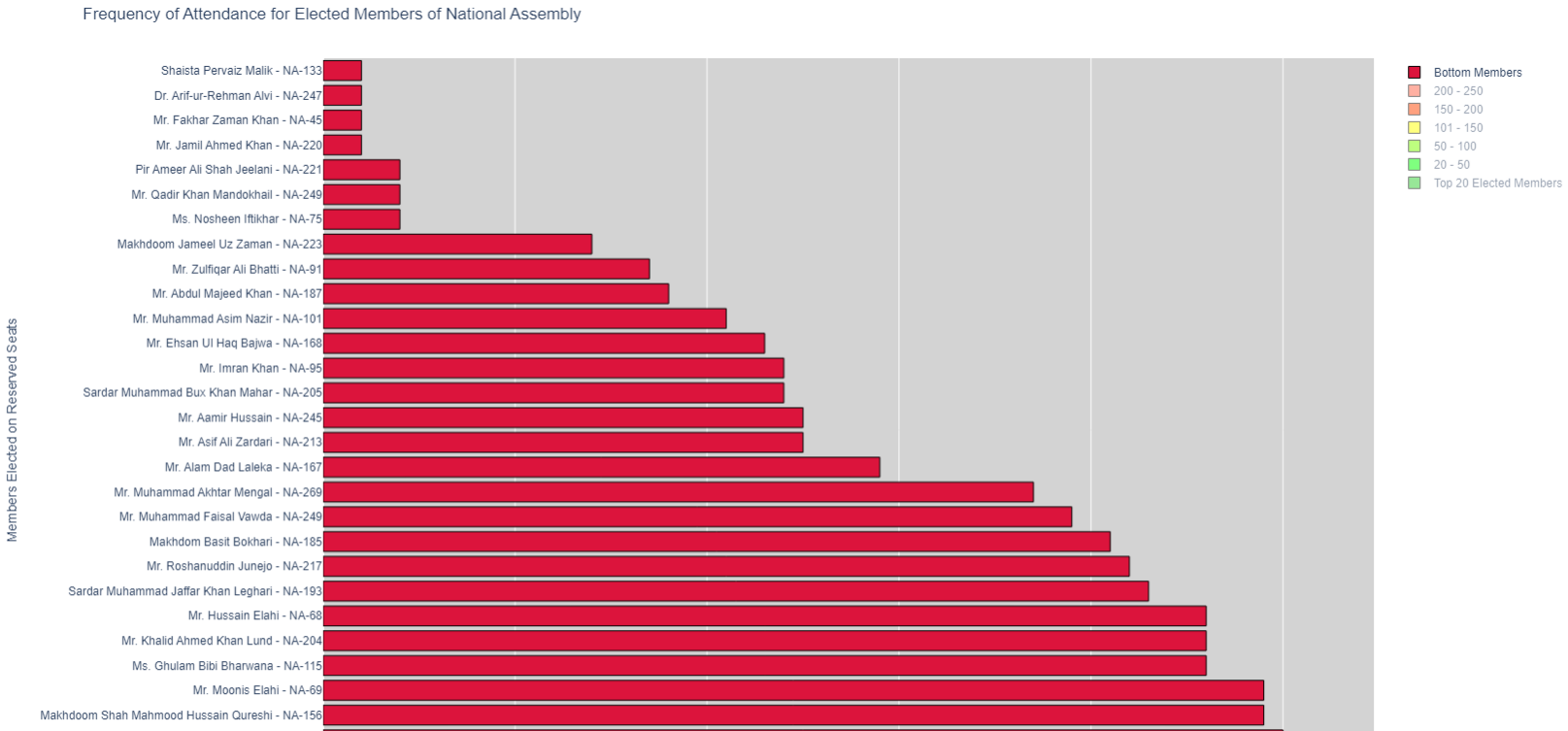
Disclaimer: Attendance of NA members in assembly sessions is not the only nor the most accurate to efficiency of a member, but it is still some food for thought for a responsible voter. Please view this notebook keeping the above ideas in your mind.

Analysis:

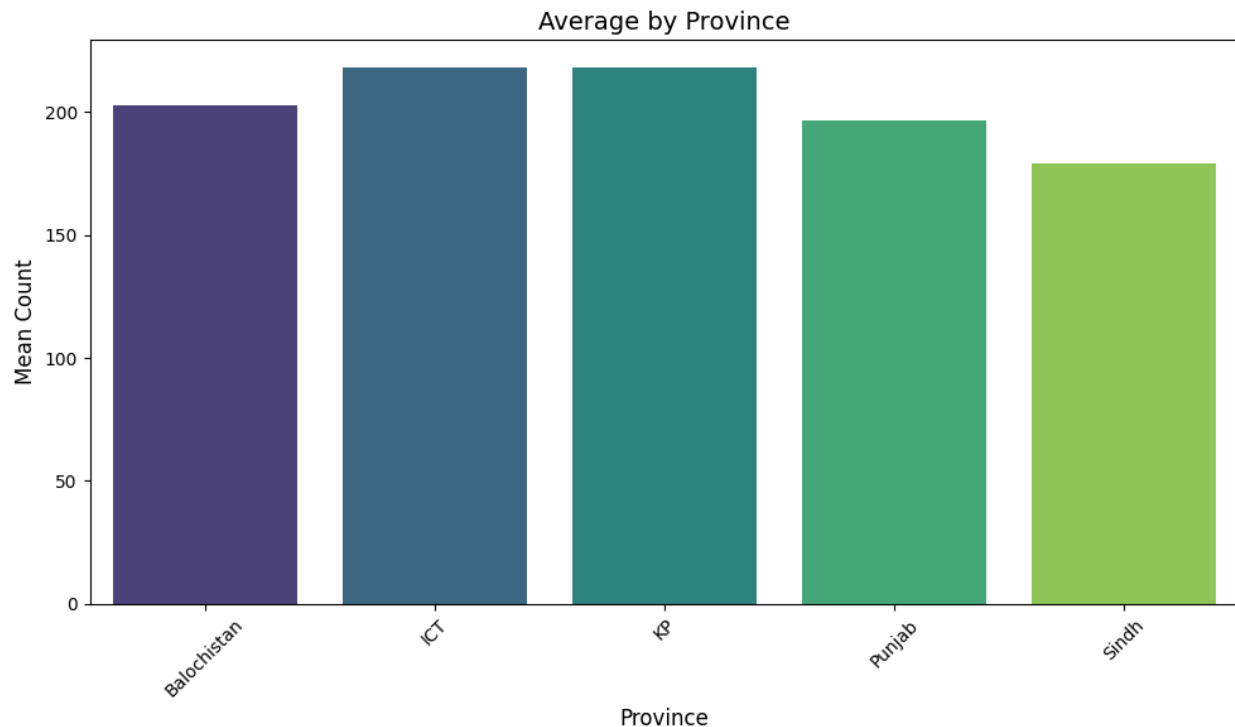
Top 20 Elected Members consistently exhibit the highest attendance:



Bottom 20 Elected Members with least attendance:



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 fourth 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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Kaggle: <https://www.kaggle.com/code/mattimansha/attendance-of-members-of-pakistan-s-na>

Github: <https://github.com/matti-mansha/attendance-of-members-of-pakistan-s-na>