

ALY6060 : Decision Support & Business Intelligence – Assignment 1 – Part 2

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PART-2

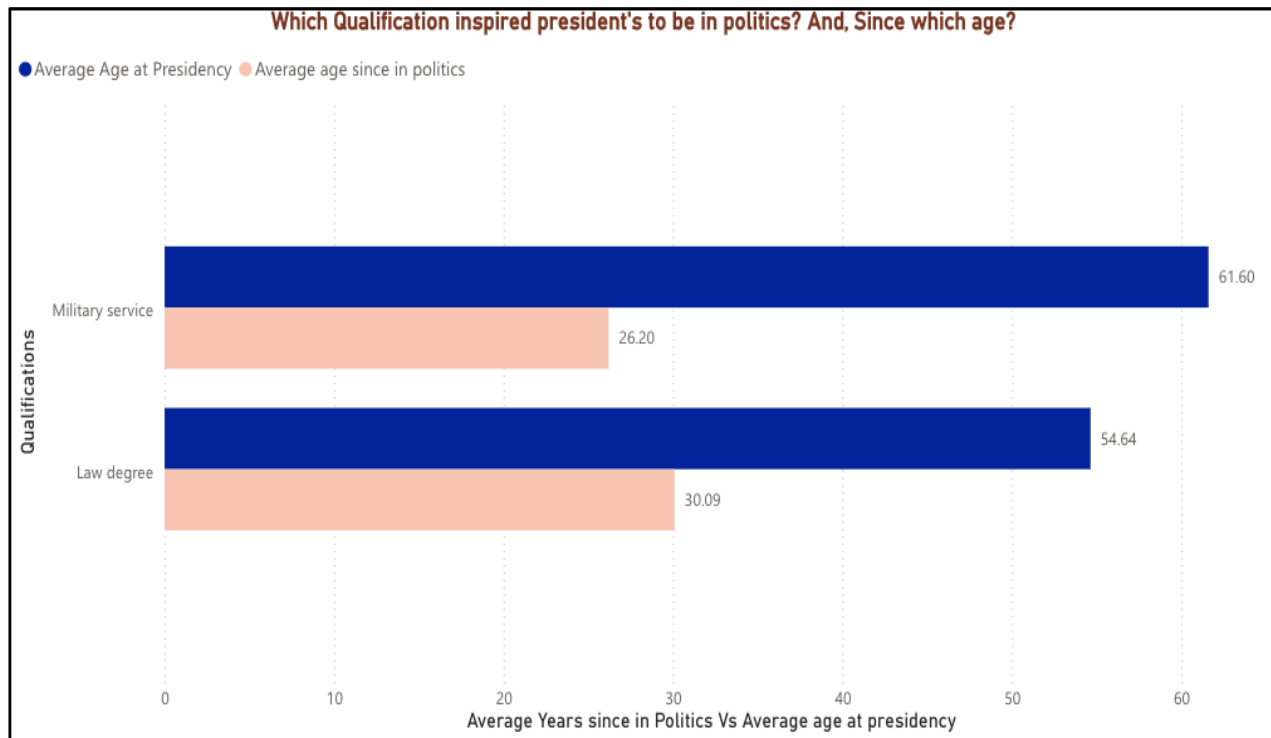
Question : Gather information on the first 16 Presidents of the United States of America. Create a dashboard that illustrates both the similarities and differences between the Presidents, based on the data you gathered. Your dashboard should display your findings.

This analysis explores the first 16 presidents of the United States, examining their major accomplishments, challenges, and overall impact on the nation. From George Washington's establishment of foundational governance to Abraham Lincoln's leadership during the Civil War, each president faced unique circumstances that shaped their legacy. This study categorizes their successes and failures, providing insight into their political contexts, areas of focus, and the accomplishments in their presidency terms. Through this analysis, we aim to identify patterns in, academic qualification, years of service in politics, agenda, decision-making, Political parties, public support, and the socio-political environment that influenced their presidencies.

I gathered information from Kaggle datasets on president's term, GDP growth, and party details. I used online resources and ChatGPT to gather each president's agenda, accomplishments, public support, and issues/controversies around them. Additionally, I derived columns like years of service and their experience in politics. I compiled the data into a comprehensive [dataset](#), developed the [dashboard](#) with Power BI Cloud, and below are five interesting analyses and findings from it:

Analysis -1 : What made the Presidents enter politics? Since when are they involved in politics?

A key factor that shapes a person's career, apart from personal interest, is their academic qualification. I plotted a bar chart to see the distribution of qualifications among first 16 U.S. Presidents. Interestingly, Presidents tend to have either a military or legal background. Specifically, 4 Presidents had military backgrounds, while 12 had law degree. Here is the chart and it's summary:



Military Background:

- Entered politics at 26.2 years (average)
- Became President at 61.6 years (average)
- Inference : Political experience before presidency: ~35 years

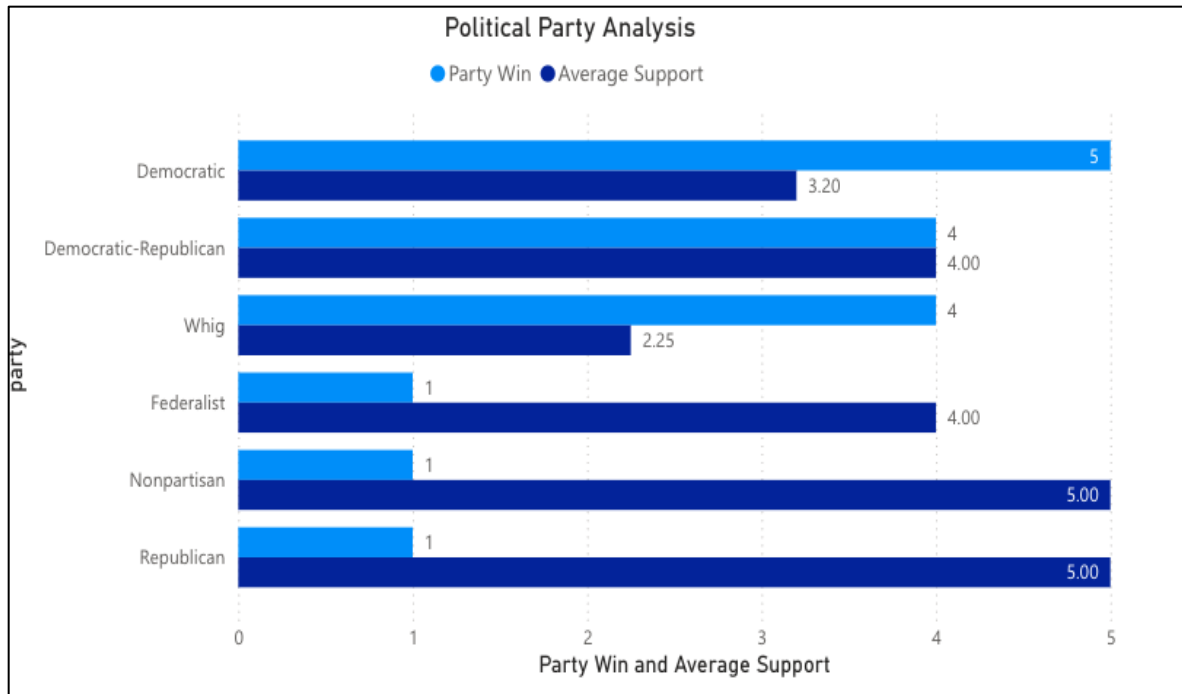
Legal Background:

- Entered politics at 30.09 years (average)
- Became President at 54 years (average)
- Inference : Political experience before presidency: ~24 years

Military leaders, despite more political experience, become President later than lawyers, who reach the presidency faster possibly due to legal expertise and networking within the political system to climb the political ladder more swiftly. It would be interesting to dive deeper on the reasons by analyzing relevant data.

Analysis - 2 : Political Party Analysis

The role of political parties in a nation's development is crucial, particularly in its formative years. I analyzed the parties involved in the U.S. presidency and their win counts, alongside the average satisfaction level of the public, rated as follows: High = 4.0, Moderate = 3.0, Mixed = 2.0, Low = 1.0.



The first President, George Washington, was non-partisan and opposed political parties, earning a high public support rating of 5.0. Following him, the Democratic-Republican Party dominated four times with an overall rating of 4.0. As new parties emerged, the Democrats won five times with a rating of 3.2, while the Whigs secured four wins with a rating of 2.25. Eventually, the Republicans emerged, reflecting the shifting political landscape and addressing key issues like states' rights, economic policy, and slavery.

Analysis - 3 : First 16 President's Agenda

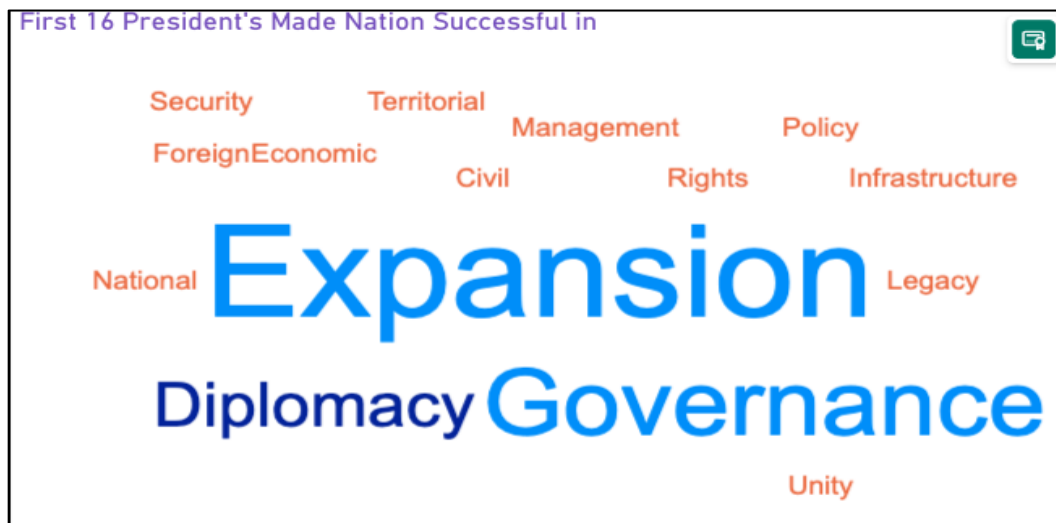
The agenda for the nation in initial years is something that's Really important for the future shape of the country. Now, let's find the similarities among the President's agenda from the word cloud plotted below.



From the word cloud, it is evident that terms like unity, expansion, economic growth, war, health, stability, integrity, populism, and defense were frequently part of many Presidents' agendas. These recurring terms illustrate the consistent focus on maintaining nation's unity, promoting economic prosperity, addressing conflicts, ensuring public health, and safeguarding national security has been in the agenda.

Analysis – 4 : First 16 Presidents were successful in ?

For any country, the early accomplishments made by the Presidents lays a foundation that would influence the trajectory of any nations for generations to come. In the initial years of the United States, the Presidents achieved several key accomplishments that helped shape the young nation. As GDP is an indicator of nation's prosperity, I also analyzed GDP figures, which has the growing curve across each presidents. Further, here is the word cloud to find their key areas of focus and accomplishments:



The word cloud reveals that many U.S. Presidents have been successful in areas such as expansion, governance, diplomacy, security, foreign policy, and civil rights. These achievements have not only strengthened the nation but also positively influenced GDP growth and fostered strong foreign relations.

Analysis - 5: First 16 President's Challenges

While the Presidents did their best to overcome the war, spread unity, security and other complexities that each Presidents faced during their time, there are some areas where they faced criticisms,failures. Let's discuss about them in the word cloud.



The word cloud illustrates that many Presidents dealt with issues like war, slavery, crisis, conflicts, compromise, and personal controversies, which often contributed to their political downfall.

To Conclude, the analysis of the first 16 U.S. Presidents reveals that academic qualifications significantly influence presidential careers, with military and legal backgrounds being predominant. Political parties have played a crucial role in shaping the presidency, with varying levels of public satisfaction. Common themes in presidential agendas emphasize unity, economic growth, and national security. Despite their successes, many Presidents faced criticisms related to war, internal conflicts, and personal controversies, contributing to some political downfalls. Overall, the accomplishments and challenges faced by these Presidents laid the foundation for the United States trajectory, influencing the nation's growth and development for the future generations.

References:

<https://www.kaggle.com/datasets/harshitagpt/us-presidents/data>
<https://www.whitehouse.gov/about-the-white-house/presidents/>
<https://data.world/brandtcowan/executive-orders>