

## **An Analysis of American President's Inaugural- and State of the Union Speeches from 1853-2019**

We will investigate characteristics of the State of the Union- and the Inaugural speeches held by each American president, from Franklin Pierce to Donald Trump (1853-2019). We will do this by using the text analysis method and evaluate sentiment, length etc. Finally, the goal is to make create a supervised Machine Learning model, which can predict if a certain sentence comes from a Republican or a Democrat. In the years before 1853, there were several other parties represented in the White House (Whig, Federalists and Democrats-Republicans), we therefore choose to “only” go back to 1853.

We will scrape the millercenter.org website for all State of the Union and Inaugural speeches held by American presidents as the Miller Center provides a transcribed version of each speech and is free to access.

- Research question: How has the characteristics of the State of the Union and Inaugural speeches changed over time?
  - Is it possible to predict if a sentence is presented by a democrat or a republican by considering different features of the sentence?