

- First delivered in 1790 by George
  Washington
  - o 1801-1913: Delivered in written form
  - o 1923: Radio broadcast across the nation
  - 1947: First broadcast on TV
  - 1965: National evening TV broadcast
- Changes in purpose over time
  - Executive updates
  - Discuss minutia
  - Advocate legislation
  - Highlight Administration
    Accomplishments & Goals
- Importance in the modern political discourse



## Why is the SOTU worth analyzing?

- Identify the priority and goals of an administration
- Major initiative or legislative announcements
- Understand political messaging and positioning for a president's party
- Global, national zeitgeist
- Analysis over time shows changes in:
  - Word choice
  - Topics
  - Priorities





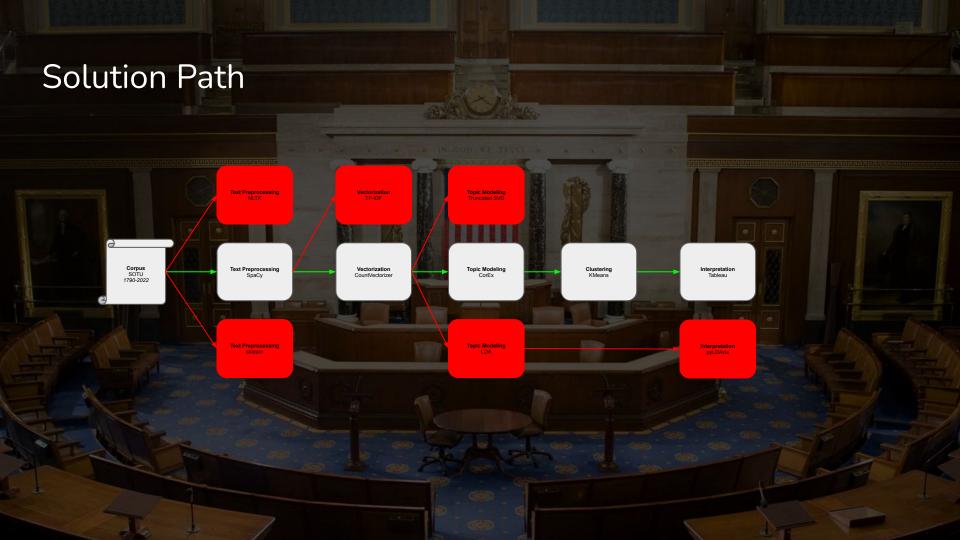














## CorEx Topic Modeling - Unsupervised

- 1: custom,make,rigidly,postage,postmaster,benefit,favorable consideration,expend,postmaster general,aggregate
- 2: clause,convinced,organization,value,product,outlet,investigation,topic,absence,condemn
- 3: far concern,await,dangerous,domestic,announce,imminent,administration justice,duty place,attention direct,head
- 4: tonight,decade,speaker,deficit,consideration,help,job,nuclear,provision,technology
- 5: opinion,vest,network,coalition,iran,regard,practicable,iraq,arrangement,modernize
- 6: court district,thrift,guard,increase funding,crush,express opinion,insufficient,remain quarter,age,cut cost
- 7: big,remember,report postmaster,report postmaster general,hard,ahead,sharing,worker,develop,new technology
- 8: useful, small business, article, missouri, salutary, role, permanent, beneficial result, occur, satisfactory
- 9: accede,sword,early action,time recommend,sagacity,legislate,invalid,england france,necessity exist,difficult
- 10: ought, scourge, commonly, view, perspective, straits, effect, secure citizen, long war, evince

## CorEx Topic Modeling - Semi-Supervised

Labor: program, job, economic, today, budget, help, goal, ahead, basic, worker

Manufacturing: crop,farmer,agriculture,farm,method,production,business,department commerce,type,interstate commerce

Government: constitution, outbreak, federal, supreme, amendment, service law, countryman, election, money order, total

Finance: cent,tariff,fiscal,expenditure,currency,treasury,end june,suggestion,postmaster,fiscal end

Social Issues: mexico, civil, protest, movement, immigration, slight, indian, citizenship, purely, lay senate

Foreign Policy: <a href="mailto:cuba">cuba</a>,navy,army,japanese</a>,consent,france,spain,<a href="mailto:rico">rico</a>,officer,<a href="panama">panama</a>

Science & Technology: research,technology,decade,achieve,challenge,environment,small business,cancer,leader,big

Law/Jurisprudence: court,hold,dangerous,perpetuity,commissioners district,department end,british north,fictitious,department end june,end june estimate

Education: school, student, education, college, university, math, street, teacher, medicare, tax credit

Infrastructure: interstate, railway, criminal, highway, commission appoint, colorado, consular service, naturalization, sign, bridge



## Interpretation

Cluster 1: 1913-1978, Labor, Manufacturing, Government, Science & Technology

Cluster 2: 1790-2022, Labor

Cluster 3: 1817-1909, Government, Manufacturing, Law

Cluster 4: 1845-1981, Labor

Cluster 5: 1827-1898, Government, Manufacturing, Finances

Cluster 6: 1843-1888, Labor

Cluster 7: 1790-1917, Government, Law

Cluster 8: 1825-1906, Manufacturing, Finance

Cluster 9: 1874-1956, Manufacturing, Labor

Cluster 10: 1841-1955, Labor







